

ITEM	MOTONIVELADORA CATERPILLAR 120 K	UNIDAD	CANTIDAD	GRUPO ROBAYO S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION													
1	Filtro aire externo 2456375 ORIGINAL	UND	1	\$592,458.71	\$112,567.15	\$705,025.86	\$970,219.00	\$184,341.61	\$1,154,560.61	\$687,775.00	\$130,677.25	\$818,452.25	\$750,150.90	\$892,679.57
2	Filtro aire interno 2456376 ORIGINAL	UND	1	\$531,971.55	\$101,074.59	\$633,046.14	\$893,406.00	\$169,747.14	\$1,063,153.14	\$591,578.00	\$112,399.82	\$703,977.82	\$672,318.52	\$800,059.03
3	Filtro de aceite 1R1807 ORIGINAL	UND	1	\$498,651.00	\$94,743.69	\$593,394.69	\$937,333.00	\$178,093.27	\$1,115,426.27	\$366,265.80	\$69,590.50	\$435,856.30	\$600,749.93	\$714,892.42
4	Filtro de combustible 1R0762 ORIGINAL	UND	1	\$1,384,647.00	\$263,082.93	\$1,647,729.93	\$1,082,570.00	\$205,688.30	\$1,288,258.30	\$797,663.30	\$151,556.03	\$949,219.33	\$1,088,293.43	\$1,295,069.19
5	Filtro ELEMENTO Separador 3261644 ORIGINAL	UND	1	\$1,336,218.00	\$253,881.42	\$1,590,099.42	\$1,017,366.00	\$193,299.54	\$1,210,665.54	\$723,163.14	\$137,401.00	\$860,564.14	\$1,025,582.38	\$1,220,443.03
6	Filtro hidráulico 1R0774 ORIGINAL	UND	1	\$776,468.00	\$147,528.92	\$923,996.92	\$729,476.00	\$138,600.44	\$868,076.44	\$725,289.80	\$137,805.06	\$863,094.86	\$743,744.60	\$885,056.07
7	Filtro servotransmisión 3283655 ORIGINAL	UND	1	\$591,230.34	\$112,333.76	\$703,564.10	\$792,740.00	\$150,620.60	\$943,360.60	\$622,666.00	\$118,306.54	\$740,972.54	\$668,878.78	\$795,965.75
8	Filtro AK	UND	1	\$1,064,186.10	\$202,195.36	\$1,266,381.46	\$2,026,875.00	\$385,106.25	\$2,411,981.25	\$1,080,499.00	\$205,294.81	\$1,285,793.81	\$1,390,520.03	\$1,654,718.84
9	Tapa plastica filtro separador	UND	1	\$1,643,161.00	\$312,200.59	\$1,955,361.59	\$740,052.00	\$140,609.88	\$880,661.88	\$956,254.00	\$181,688.26	\$1,137,942.26	\$1,113,155.67	\$1,324,655.24
10	Llantas 1400 X 24 con protector (16 lonas)	UND	1	\$7,380,990.00	\$1,402,388.10	\$8,783,378.10	\$10,994,489.00	\$2,088,952.91	\$13,083,441.91	\$7,776,644.00	\$1,477,562.36	\$9,254,206.36	\$8,717,374.33	\$10,373,675.46
11	Empaquetaduras cilindro hidráulico levante de la pala 2384462	UND	1	\$1,661,454.00	\$315,676.26	\$1,977,130.26	\$1,143,296.00	\$217,226.24	\$1,360,522.24	\$1,049,641.92	\$199,431.96	\$1,249,073.88	\$1,284,797.31	\$1,528,908.79
12	Empaquetaduras cilindro hidráulico tornamesa 2384462	UND	1	\$3,915,679.00	\$743,979.01	\$4,659,658.01	\$3,857,049.00	\$732,839.31	\$4,589,888.31	\$3,378,034.80	\$641,826.61	\$4,019,861.41	\$3,716,920.93	\$4,423,135.91
13	Empaquetaduras cilindro hidráulico articulación ruedas traseras	UND	1	\$946,586.16	\$179,851.37	\$1,126,437.53	\$1,614,435.00	\$306,742.65	\$1,921,177.65	\$1,037,779.00	\$197,178.01	\$1,234,957.01	\$1,199,600.05	\$1,427,524.06
14	Empaquetaduras cilindro hidráulico escarificador	UND	1	\$1,555,858.00	\$295,613.02	\$1,851,471.02	\$1,114,189.00	\$211,695.91	\$1,325,884.91	\$980,141.04	\$186,226.80	\$1,166,367.84	\$1,216,729.35	\$1,447,907.92
15	Empaquetadura cilindro inclinación rueda	UND	1	\$1,256,514.00	\$238,737.66	\$1,495,251.66	\$1,187,305.20	\$225,587.99	\$1,412,893.19	\$1,343,382.00	\$255,242.58	\$1,598,624.58	\$1,262,400.40	\$1,502,256.48
16	Rodamiento conico tornamesa	UND	1	\$399,371.40	\$75,880.57	\$475,251.97	\$969,519.00	\$184,208.61	\$1,153,727.61	\$533,270.00	\$101,321.30	\$634,591.30	\$634,053.47	\$754,523.63
17	Oring motor tornamesa	UND	1	\$87,788.00	\$16,679.72	\$104,467.72	\$52,413.48	\$9,958.56	\$62,372.04	\$68,391.00	\$12,994.29	\$81,385.29	\$69,530.83	\$82,741.68
18	Strip para el tornamesa 3330960	UND	1	\$964,524.00	\$183,259.56	\$1,147,783.56	\$890,780.00	\$169,248.20	\$1,060,028.20	\$1,609,520.00	\$305,808.80	\$1,915,328.80	\$1,154,941.33	\$1,374,380.19
19	Eje tornamesa 3071958	UND	1	\$9,002,228.00	\$1,710,423.32	\$10,712,651.32	\$10,611,048.00	\$2,016,099.12	\$12,627,147.12	\$7,308,733.05	\$1,388,659.28	\$8,697,392.33	\$8,974,003.02	\$10,679,063.59
20	Piñón tornamesa 2618553	UND	1	\$6,485,089.50	\$1,232,167.01	\$7,717,256.51	\$11,539,534.00	\$2,192,511.46	\$13,732,045.46	\$8,985,487.00	\$1,707,242.53	\$10,692,729.53	\$9,003,370.17	\$10,714,010.50
21	Guayas para tornamesa	UND	1	\$903,565.00	\$171,677.35	\$1,075,242.35	\$753,852.96	\$143,232.06	\$897,085.02	\$1,417,654.00	\$269,354.26	\$1,687,008.26	\$1,025,023.99	\$1,219,778.54
22	3192228 Mordazas tornamesa	UND	1	\$1,970,838.72	\$374,459.36	\$2,345,298.08	\$3,853,519.00	\$732,168.61	\$4,585,687.61	\$2,697,390.00	\$512,504.10	\$3,209,894.10	\$2,840,582.57	\$3,380,293.26
23	Corona tornamesa 3238674	UND	1	\$23,328,157.00	\$4,432,349.83	\$27,760,506.83	\$12,265,362.72	\$2,330,418.92	\$14,595,781.64	\$12,423,919.00	\$2,360,544.61	\$14,784,463.61	\$16,005,812.91	\$19,046,917.36
24	Strip cuadrado tornamesa 1289654	UND	1	\$990,880.00	\$188,267.20	\$1,179,147.20	\$997,612.00	\$189,546.28	\$1,187,158.28	\$1,421,762.00	\$270,134.78	\$1,691,896.78	\$1,136,751.33	\$1,352,734.09
25	Válvula solenoido tornamesa 3843892	UND	1	\$3,701,256.00	\$703,238.64	\$4,404,494.64	\$6,309,254.00	\$1,198,758.26	\$7,508,012.26	\$3,166,317.72	\$601,600.37	\$3,767,918.09	\$4,392,275.91	\$5,226,808.33
26	6Y7953 discos fricción tornamesa	UND	1	\$1,058,237.00	\$201,065.03	\$1,259,302.03	\$770,107.32	\$146,320.39	\$916,427.71	\$1,169,817.00	\$222,265.23	\$1,392,082.23	\$999,387.11	\$1,189,270.66
27	2G0478 Discos separador tornamesa	UND	1	\$1,695,041.00	\$322,057.79	\$2,017,098.79	\$818,821.80	\$155,576.14	\$974,397.94	\$987,658.00	\$187,655.02	\$1,175,313.02	\$1,167,173.60	\$1,388,936.58
28	Vidrio parabrisas 8X2228	UND	1	\$3,701,420.28	\$703,269.85	\$4,404,690.13	\$6,392,226.00	\$1,214,522.94	\$7,606,748.94	\$5,485,270.00	\$1,042,201.30	\$6,527,471.30	\$5,192,972.09	\$6,179,636.79
29	Vidrio trasero cabina 1029372	UND	1	\$2,123,883.72	\$403,537.91	\$2,527,421.63	\$3,074,039.00	\$584,067.41	\$3,658,106.41	\$3,658,589.00	\$733,131.91	\$4,591,720.91	\$3,018,837.24	\$3,592,416.32
30	Vidrio lateral 1493409	UND	1	\$1,396,483.00	\$265,331.77	\$1,661,814.77	\$801,372.60	\$152,260.79	\$953,633.39	\$833,166.00	\$158,301.54	\$991,467.54	\$1,010,340.53	\$1,202,305.23
31	Vidrio superior puerta derecha	UND	1	\$863,268.00	\$164,020.92	\$1,027,288.92	\$687,077.64	\$130,544.75	\$817,622.39	\$1,622,273.00	\$308,231.87	\$1,930,504.87	\$1,057,539.55	\$1,256,472.06
32	Vidrio superior puerta izquierda	UND	1	\$736,111.80	\$139,861.24	\$875,973.04	\$781,487.00	\$148,482.53	\$929,969.53	\$1,199,061.00	\$227,821.59	\$1,426,882.59	\$905,553.27	\$1,077,608.39
33	Vidrio inferior puerta izquierda	UND	1	\$1,644,081.00	\$312,375.39	\$1,956,456.39	\$932,595.48	\$177,193.14	\$1,109,788.62	\$1,154,640.00	\$219,381.60	\$1,374,021.60	\$1,243,772.16	\$1,480,088.87
34	Empaque vidrio superior puerta derecha	UND	1	\$909,583.92	\$172,820.94	\$1,082,404.86	\$1,007,828.00	\$191,487.32	\$1,199,315.32	\$1,126,705.00	\$134,073.95	\$1,340,778.95	\$1,014,705.64	\$1,207,499.71
35	Empaque vidrio superior puerta izquierda	UND	1	\$928,826.00	\$176,476.94	\$1,105,302.94	\$882,874.44	\$167,746.14	\$1,050,620.58	\$1,519,270.00	\$288,661.30	\$1,807,931.30	\$1,110,323.48	\$1,321,284.94
36	Empaque vidrio inferior puerta izquierda	UND	1	\$1,181,460.00	\$224,477.40	\$1,405,937.40	\$923,979.60	\$175,556.12	\$1,099,535.72	\$1,530,208.00	\$290,739.52	\$1,820,947.52	\$1,211,882.53	\$1,442,140.21
37	Vidrio frontal inferior izquierdo	UND	1	\$1,161,442.80	\$220,674.13	\$1,382,116.93	\$1,579,982.00	\$300,196.58	\$1,880,178.58	\$2,246,022.00	\$426,744.18	\$2,672,766.18	\$1,662,482.27	\$1,978,353.90
38	Sensor de temperatura aire de admisión	UND	1	\$1,409,541.00	\$267,812.79	\$1,677,353.79	\$988,760.52	\$187,864.50	\$1,176,625.02	\$2,076,389.00	\$394,513.91	\$2,470,902.91	\$1,491,563.51	\$1,774,960.57
39	Sensores de posición del cigüeñal(rpm motor)	UND	1	\$2,696,083.00	\$512,255.77	\$3,208,338.77	\$1,473,608.00	\$279,985.52	\$1,753,593.52	\$1,297,639.08	\$246,551.43	\$1,544,190.51	\$1,822,443.36	\$2,168,707.60
40	Sensor de presión del riel	UND	1	\$807,693.48	\$153,461.76	\$961,155.24	\$1,223,209.00	\$232,409.71	\$1,455,618.71	\$944,976.00	\$179,545.44	\$1,124,521.44	\$991,959.49	\$1,180,431.80
41	Sensor de temperatura refrigerante motor	UND	1	\$1,361,534.00	\$258,691.46	\$1,620,225.46	\$932,185.44	\$177,115.23	\$1,109,300.67	\$2,159,798.00	\$410,361.62	\$2,570,159.62	\$1,484,505.81	\$1,766,561.92
42	Sensor de presión de aceite	UND	1	\$4,104,300.96	\$779,817.18	\$4,884,118.14	\$8,764,123.00	\$1,665,183.37	\$10,429,306.37	\$5,191,792.00	\$986,440.48	\$6,178,232.48	\$6,020,071.99	\$7,163,885.66
43	Manguera hidráulica servo 3/4 X 2 MTS R2 con acoples APR3/4	UND	1	\$1,453,153.00	\$276,099.07	\$1,729,252.07	\$1,177,431.48	\$223,711.98	\$1,401,143.46	\$1,290,613.00	\$245,216.47	\$1,535,829.47	\$1,307,065.83	\$1,555,408.33
44	3/16	UND	1	\$946,552.68	\$179,845.01	\$1,126,397.69	\$946,696.00	\$179,872.24	\$1,126,568.24	\$1,689,132.00	\$320,935.08	\$2,010,067.08	\$1,194,126.89	\$1,421,011.00
45	Manguera hidráulica R12 3/8 X 7.30 MTS	UND	1	\$1,771,143.00	\$336,517.17	\$2,107,660.17	\$1,748,513.16	\$332,217.50	\$2,080,730.66	\$3,269,508.00	\$621,206.52	\$3,890,714.52	\$2,263,054.72	\$2,693,035.12
46	Manguera hidráulica 1/2 x 6.65 mts 6000 PSI con acoples	UND	1	\$1,805,438.88	\$343,033.39	\$2,148,472.27	\$4,387,169.00	\$833,562.11	\$5,220,731.11	\$2,34				

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	REPUESTOS			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION													
59	Discos para los frenos 6Y7915	UND	1	\$1,548,155.00	\$294,149.45	\$1,842,304.45	\$1,398,853.80	\$265,782.22	\$1,664,636.02	\$2,271,939.00	\$431,668.41	\$2,703,607.41	\$1,739,649.27	\$2,070,182.63
60	Separadores de los frenos 8D8794	UND	1	\$2,243,091.00	\$426,187.29	\$2,669,278.29	\$921,109.32	\$175,010.77	\$1,096,120.09	\$1,194,662.00	\$226,985.78	\$1,421,647.78	\$1,452,954.11	\$1,729,015.39
61	Valvula freno emergencia 2534347	UND	1	\$967,854.96	\$183,892.44	\$1,151,747.40	\$2,027,429.00	\$385,211.51	\$2,412,640.51	\$1,140,018.00	\$216,603.42	\$1,356,621.42	\$1,378,433.99	\$1,640,336.44
62	Moffler	UND	1	\$7,345,797.00	\$1,395,701.43	\$8,741,498.43	\$5,182,595.00	\$984,693.05	\$6,167,288.05	\$4,461,179.04	\$847,624.02	\$5,308,803.06	\$5,663,190.35	\$6,739,196.51
63	Kit de sellos externos inyector	JUEGO	1	\$1,792,184.00	\$340,514.96	\$2,132,698.96	\$2,806,174.00	\$533,173.06	\$3,339,347.06	\$1,250,320.00	\$237,560.80	\$1,487,880.80	\$1,949,559.33	\$2,319,975.61
64	KIT DE SELLOS INTERNOS INYECTOR	JUEGO	1	\$673,922.00	\$128,045.18	\$801,967.18	\$867,162.00	\$164,760.78	\$1,031,922.78	\$650,320.00	\$123,560.80	\$773,880.80	\$730,468.00	\$869,256.92
65	Oring externo bomba de inyeccion	UND	1	\$110,931.84	\$21,077.05	\$132,008.89	\$314,418.00	\$59,739.42	\$374,157.42	\$159,307.00	\$30,268.33	\$189,575.33	\$194,885.61	\$231,913.88
66	Disco de acople torsional	UND	1	\$1,385,982.36	\$263,336.65	\$1,649,319.01	\$3,032,539.00	\$576,182.41	\$3,608,721.41	\$1,594,282.00	\$302,913.58	\$1,897,195.58	\$2,004,267.79	\$2,385,078.67
67	Valvula solenoide control de cambios	UND	1	\$6,675,106.00	\$1,268,270.14	\$7,943,376.14	\$6,307,473.24	\$1,198,419.92	\$7,505,893.16	\$7,639,647.00	\$1,451,532.93	\$9,091,179.93	\$6,874,075.41	\$8,180,149.74
68	Tapa tanque de combustible	UND	1	\$601,976.52	\$114,375.54	\$716,352.06	\$1,030,130.00	\$195,724.70	\$1,225,854.70	\$663,732.00	\$126,109.08	\$789,841.08	\$765,279.51	\$910,682.61
69	Pneumáticos 1400x24	UND	1	\$368,034.75	\$69,926.60	\$437,961.35	\$461,457.00	\$87,676.83	\$549,133.83	\$696,047.00	\$132,248.93	\$828,295.93	\$508,512.92	\$605,130.37
70	INYECTOR MOTOR	UND	1	\$7,845,899.00	\$1,490,720.81	\$9,336,619.81	\$12,033,271.00	\$2,286,321.49	\$14,319,592.49	\$10,323,468.00	\$1,961,458.92	\$12,284,926.92	\$10,067,546.00	\$11,980,379.74
71	TURBO ALIMENTADOR	UND	1	\$14,632,125.00	\$2,780,103.75	\$17,412,228.75	\$11,131,166.70	\$2,114,921.67	\$13,246,088.37	\$25,185,183.00	\$4,785,184.77	\$29,970,367.77	\$16,982,824.90	\$20,209,561.63
72	TERMOSTATO	UND	1	\$506,270.00	\$96,191.30	\$602,461.30	\$492,535.35	\$93,581.72	\$586,117.07	\$907,983.00	\$172,516.77	\$1,080,499.77	\$635,596.12	\$756,359.38
73	TAPA TANQUE EXPANSIÓN	UND	1	\$1,383,405.12	\$262,846.97	\$1,646,252.09	\$1,897,166.00	\$360,461.54	\$2,257,627.54	\$2,778,746.00	\$527,961.74	\$3,306,707.74	\$2,019,772.37	\$2,403,529.12
74	Empaque turbo	UND	1	\$3,263,853.60	\$620,132.18	\$3,883,985.78	\$9,408,240.00	\$1,787,565.60	\$11,195,805.60	\$4,819,969.00	\$915,794.11	\$5,735,763.11	\$5,830,687.53	\$6,938,518.16
75	Ventilador Radiador	UND	1	\$2,782,847.00	\$528,740.93	\$3,311,587.93	\$1,861,969.00	\$353,774.11	\$2,215,743.11	\$1,394,679.60	\$264,989.12	\$1,659,668.72	\$2,013,165.20	\$2,395,666.99
76	Bomba de transferencia de combustible	UND	1	\$4,491,071.00	\$853,303.49	\$5,344,374.49	\$6,004,839.00	\$1,140,839.80	\$7,145,259.80	\$4,480,182.45	\$851,234.67	\$5,331,417.12	\$4,991,891.15	\$5,940,350.47
77	Alternador	UND	1	\$6,640,899.00	\$1,261,770.81	\$7,902,669.81	\$5,018,022.00	\$953,424.18	\$5,971,446.18	\$13,140,141.00	\$2,496,626.79	\$15,636,767.79	\$8,266,354.00	\$9,836,961.26
78	Luna espejo	UND	1	\$711,383.00	\$135,162.77	\$846,545.77	\$604,711.00	\$114,895.09	\$719,606.09	\$481,780.08	\$91,538.22	\$573,318.30	\$599,291.36	\$713,156.72
79	Solenoid motor de arranque (automatico)	UND	1	\$2,326,052.88	\$441,950.05	\$2,768,002.93	\$3,021,783.00	\$574,138.77	\$3,595,921.77	\$4,113,669.00	\$781,597.11	\$4,895,266.11	\$3,153,834.96	\$3,753,063.60
80	MOTOR ARRANQUE	UND	1	\$22,028,116.00	\$4,185,342.04	\$26,213,458.04	\$7,975,269.45	\$1,515,301.20	\$9,490,570.65	\$11,147,815.00	\$2,118,084.85	\$13,265,899.85	\$13,717,066.82	\$16,323,309.51
81	Cuchillas para la pala 7D1576	UND	1	\$2,218,990.00	\$421,608.10	\$2,640,598.10	\$4,379,671.00	\$832,137.49	\$5,211,808.49	\$2,714,901.00	\$515,831.19	\$3,230,732.19	\$3,104,520.67	\$3,694,379.59
82	Esquineros para la pala 8E5529	UND	1	\$930,106.00	\$176,720.14	\$1,106,826.14	\$1,515,192.00	\$287,886.48	\$1,803,078.48	\$837,867.15	\$159,194.76	\$997,061.91	\$1,094,388.38	\$1,302,322.18
83	Sobre esquineras para la pala 6Y2805	UND	1	\$1,374,184.00	\$261,094.96	\$1,635,278.96	\$1,667,937.00	\$316,908.03	\$1,984,845.03	\$1,092,537.00	\$207,582.03	\$1,300,119.03	\$1,378,219.33	\$1,640,081.01
84	Tornillos con tuerca para las cuchillas 5J4773	UND	1	\$151,514.00	\$28,787.66	\$180,301.66	\$61,025.85	\$11,594.91	\$72,620.76	\$91,312.00	\$17,349.28	\$108,661.28	\$101,283.95	\$120,527.90
85	Tornillos con tuerca para los esquineros 1J6762	UND	1	\$135,773.10	\$25,796.89	\$161,569.99	\$327,670.00	\$62,257.30	\$389,927.30	\$164,668.00	\$31,286.92	\$195,954.92	\$209,370.37	\$249,150.74
86	Cadenas para tándem 5T0735	UND	1	\$2,471,035.00	\$469,496.65	\$2,940,531.65	\$2,038,393.08	\$387,294.69	\$2,425,687.77	\$4,130,324.00	\$784,761.56	\$4,915,085.56	\$2,879,917.36	\$3,427,101.66
87	Sellos espejo para mando circular 5K5288	UND	1	\$962,459.00	\$182,867.21	\$1,145,326.21	\$682,565.76	\$129,687.49	\$812,253.25	\$1,699,081.00	\$322,825.39	\$2,021,906.39	\$1,114,701.92	\$1,326,495.28
88	Terminales de dirección Juego 1313738	JUEGO	1	\$8,203,257.00	\$1,558,618.83	\$9,761,875.83	\$4,815,804.00	\$915,002.76	\$5,730,806.76	\$4,150,996.92	\$788,689.41	\$4,939,686.33	\$5,723,352.64	\$6,810,789.64
89	Kit de sellos botellas de dirección 4728026	UND	1	\$1,602,750.00	\$304,522.50	\$1,907,272.50	\$948,304.44	\$180,177.84	\$1,128,482.28	\$1,223,771.00	\$232,516.49	\$1,456,287.49	\$1,258,275.15	\$1,497,347.42
90	Espejo retrovisor 4623542	UND	1	\$245,708.28	\$46,684.57	\$292,392.85	\$328,851.00	\$62,481.69	\$391,332.69	\$554,232.00	\$105,304.08	\$659,536.08	\$376,263.76	\$447,753.87
91	Shims 7D8983	UND	1	\$350,487.00	\$66,592.53	\$417,079.53	\$191,263.95	\$36,340.15	\$227,604.10	\$226,152.00	\$42,968.88	\$269,120.88	\$255,967.65	\$304,601.50
92	Exploradora 2611502	UND	1	\$997,485.84	\$189,522.31	\$1,187,008.15	\$2,137,264.00	\$406,080.16	\$2,543,344.16	\$1,288,261.00	\$244,769.59	\$1,533,030.59	\$1,474,336.95	\$1,754,460.97
93	Strip pala 5T8366	UND	1	\$682,360.00	\$129,648.40	\$812,008.40	\$513,739.35	\$97,610.48	\$611,349.83	\$1,122,610.00	\$123,295.90	\$1,335,905.90	\$772,903.12	\$919,754.71
94	Plato ajuste strip 8W1749	UND	1	\$1,091,678.85	\$207,418.98	\$1,299,097.83	\$1,163,016.00	\$220,973.04	\$1,383,989.04	\$1,915,690.00	\$363,981.10	\$2,279,671.10	\$1,390,128.28	\$1,654,252.66
95	Baterías 4D1400	UND	1	\$3,417,423.00	\$649,310.37	\$4,066,733.37	\$2,405,000.00	\$456,950.00	\$2,861,950.00	\$3,291,403.00	\$625,366.57	\$3,916,769.57	\$3,037,942.00	\$3,615,150.98
96	Asientos valvulas 2646157	JUEGO	1	\$748,338.00	\$142,184.22	\$890,522.22	\$592,503.12	\$112,575.59	\$705,078.71	\$898,527.00	\$170,720.13	\$1,069,247.13	\$746,456.04	\$888,282.69
97	Bujes de biela 2W0027	JUEGO	1	\$1,934,322.00	\$367,521.18	\$2,301,843.18	\$816,600.60	\$155,154.11	\$971,754.71	\$970,030.00	\$184,305.70	\$1,154,335.70	\$1,240,317.53	\$1,475,977.86
98	Bujes de levas 2W7213	JUEGO	1	\$840,019.00	\$159,603.61	\$999,622.61	\$1,084,274.00	\$206,012.06	\$1,290,286.06	\$619,936.20	\$117,787.88	\$737,724.08	\$848,076.40	\$1,009,210.92
99	5K1459 pasador escarificador	UND	1	\$2,112,165.00	\$401,311.35	\$2,513,476.35	\$1,769,528.88	\$336,210.49	\$2,105,739.37	\$2,702,168.00	\$513,411.92	\$3,215,579.92	\$2,194,620.63	\$2,611,598.55
100	Válvulas neumáticos	UND	1	\$58,085.28	\$11,036.20	\$69,121.48	\$68,169.00	\$12,952.11	\$81,121.11	\$110,743.00	\$21,041.17	\$131,784.17	\$78,999.09	\$94,008.92
101	Juego de sellos piñon de ataque	JUEGO	1	\$1,559,782.00	\$296,358.58	\$1,856,140.58	\$1,144,216.44	\$217,401.12	\$1,361,617.56	\$1,645,418.00	\$312,629.42	\$1,958,047.42	\$1,449,805.48	\$1,725,268.52
102	Bobina inyector	UND	1	\$1,751,041.00	\$332,697.79	\$2,083,738.79	\$1,181,032.56	\$224,396.19	\$1,405,428.75	\$1,866,216.00	\$354,581.04	\$2,220,797.04	\$1,599,429.85	\$1,903,321.53
103	17740 correas motor	UND	1	\$426,226.00	\$80,982.94	\$507,208.94	\$379,721.52	\$72,147.09	\$451,868.61	\$833,697.00	\$158,402.43	\$992,099.43	\$546,548.17	\$650,392.33
104	Empaque tapa valvulas 2720388	UND	1	\$568,794.24	\$108,070.91	\$676,865.15	\$865,480.00	\$164,441.20	\$1,029,921.20	\$770,544.00	\$146,403.36	\$916,947.36	\$734,939.41	\$874,577.90
105	Valvula reguladora de combustible 3696662	UND	1	\$2,316,204.00	\$440									

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUUESTOS		VR. UNITARIO SIN IVA			IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA	
	DESCRIPCION															
118	8W1752 Riel graduador pala		UND	1	\$911,162.70	\$173,120.91	\$1,084,283.61	\$1,260,752.00	\$239,542.88	\$1,500,294.88	\$2,012,622.00	\$382,398.18	\$2,395,020.18	\$1,394,845.57	\$1,659,866.22	
119	Bota para llanta		UND	1	\$1,074,504.00	\$204,155.76	\$1,278,659.76	\$451,122.00	\$85,713.18	\$536,835.18	\$668,869.00	\$127,085.11	\$795,954.11	\$731,498.33	\$870,483.02	
120	Bomba de agua 3522138		UND	1	\$5,025,372.75	\$954,820.82	\$5,980,193.57	\$8,716,278.00	\$1,656,092.82	\$10,372,370.82	\$5,074,851.00	\$964,221.69	\$6,039,072.69	\$6,272,167.25	\$7,463,879.03	
121	Rotulas botellas de direccion 1313736		UND	1	\$3,311,230.00	\$629,133.70	\$3,940,363.70	\$5,447,551.00	\$1,035,034.69	\$6,482,585.69	\$2,384,868.96	\$453,125.10	\$2,837,994.06	\$3,714,549.99	\$4,420,314.48	
122	Conectores para los solenoides		UND	1	\$72,463.00	\$13,767.97	\$86,230.97	\$28,358.28	\$5,388.07	\$33,746.35	\$39,590.00	\$7,522.10	\$47,112.10	\$46,803.76	\$55,696.47	
123	BOMBA ALTA COMBUSTIBLE 4768768		UND	1	\$67,153,666.95	\$12,759,196.72	\$79,912,863.67	\$78,562,560.00	\$14,926,886.40	\$93,489,446.40	\$145,386,272.00	\$27,623,391.68	\$173,009,663.68	\$97,034,166.32	\$115,470,657.92	
124	Curceta cardan		UND	1	\$848,323.08	\$161,181.39	\$1,009,504.47	\$1,532,034.00	\$291,086.46	\$1,823,120.46	\$1,121,920.00	\$213,164.80	\$1,335,084.80	\$1,167,425.69	\$1,389,236.58	
125	SEPARADOR CREMALLERA METALICO		UND	1	\$1,820,454.84	\$345,886.42	\$2,166,341.26	\$1,847,628.00	\$351,049.32	\$2,198,677.32	\$2,004,310.00	\$390,818.90	\$2,385,128.90	\$1,890,797.61	\$2,250,049.16	
126	TUERCA 11MM ITEM		UND	1	\$207,867.00	\$39,494.73	\$247,361.73	\$135,417.00	\$25,729.23	\$161,146.23	\$116,664.12	\$22,166.18	\$138,830.30	\$153,316.04	\$182,446.09	
127	TORNILLOS 3/4X5		UND	1	\$184,652.00	\$35,083.88	\$219,735.88	\$174,146.85	\$33,087.90	\$207,234.75	\$364,823.00	\$69,316.37	\$434,139.37	\$241,207.28	\$287,036.67	
128	ARANDELA ITEM		UND	1	\$116,017.00	\$22,043.23	\$138,060.23	\$107,392.68	\$20,404.61	\$127,797.29	\$130,747.00	\$24,841.93	\$155,588.93	\$118,052.23	\$140,482.15	
129	Protector de carter y componentes de montaje		UND	1	\$2,662,642.00	\$505,901.98	\$3,168,543.98	\$4,131,827.00	\$785,047.13	\$4,916,874.13	\$2,566,278.00	\$487,592.82	\$3,053,870.82	\$3,120,249.00	\$3,713,096.31	
	MANO DE OBRA															
	DESCRIPCION		UNIDAD	CANT												
130	Mantenimiento preventivo 250 horas		UND	1	\$990,782.00	\$188,248.58	\$1,179,030.58	\$612,176.40	\$116,313.52	\$728,489.92	\$831,219.00	\$157,931.61	\$989,150.61	\$811,392.47	\$965,557.04	
131	Mantenimiento preventivo 500 horas		UND	1	\$635,806.00	\$120,803.14	\$756,609.14	\$598,428.72	\$113,701.46	\$712,130.18	\$985,038.00	\$187,157.22	\$1,172,195.22	\$739,757.57	\$880,311.51	
132	Mantenimiento preventivo 1000 horas		UND	1	\$729,637.92	\$138,631.20	\$868,269.12	\$1,207,051.00	\$229,339.69	\$1,436,390.69	\$990,401.00	\$188,176.19	\$1,178,577.19	\$975,696.64	\$1,161,079.00	
133	Mantenimiento preventivo 2000 horas		UND	1	\$703,859.00	\$133,733.21	\$837,592.21	\$1,330,245.00	\$252,746.55	\$1,582,991.55	\$679,471.20	\$129,099.53	\$808,570.73	\$904,525.07	\$1,076,384.83	
134	Lavadas y engrasadas maquina		UND	1	\$1,931,918.00	\$367,064.42	\$2,298,982.42	\$3,854,973.00	\$732,444.87	\$4,587,417.87	\$1,818,554.85	\$345,525.42	\$2,164,080.27	\$2,535,148.62	\$3,016,826.85	
135	Desmonte y montaje de motor		UND	1	\$1,532,075.00	\$291,094.25	\$1,823,169.25	\$1,255,334.00	\$238,513.46	\$1,493,847.46	\$881,391.60	\$167,464.40	\$1,048,856.00	\$1,222,933.53	\$1,455,290.90	
136	trabajos de rectificadora		GLOBAL	1	\$16,981,110.00	\$3,226,410.90	\$20,207,520.90	\$8,024,692.68	\$1,524,691.61	\$9,549,384.29	\$11,692,813.00	\$2,221,634.47	\$13,914,447.47	\$12,232,871.89	\$14,557,117.55	
137	Desmonte y monte de servotransmision		UND	1	\$4,541,976.00	\$862,975.44	\$5,404,951.44	\$2,956,403.16	\$561,716.60	\$3,518,119.76	\$4,418,144.00	\$839,447.36	\$5,257,591.36	\$3,972,174.39	\$4,726,887.52	
138	estado		GLOBAL	1	\$8,413,290.00	\$1,598,525.10	\$10,011,815.10	\$13,345,723.00	\$2,535,687.37	\$15,881,410.37	\$6,995,692.44	\$1,329,181.56	\$8,324,874.00	\$9,584,901.81	\$11,406,033.16	
139	Cambio carcaza de servotransmision (carevaca)		UND	1	\$1,320,335.00	\$250,863.65	\$1,571,198.65	\$1,211,211.36	\$230,130.16	\$1,441,341.52	\$1,983,860.00	\$376,933.40	\$2,360,793.40	\$1,505,135.45	\$1,791,111.19	
140	adecuaciones y mano de obra		GLOBAL	1	\$1,420,451.28	\$269,885.74	\$1,690,337.02	\$3,374,391.00	\$641,134.29	\$4,015,525.29	\$1,890,091.00	\$359,117.29	\$2,249,208.29	\$2,228,311.09	\$2,651,690.20	
141	Revision niveles servotransmision tandem e hidraulico		UND	1	\$356,639.00	\$67,761.41	\$424,400.41	\$244,365.00	\$46,429.35	\$290,794.35	\$175,088.52	\$33,266.82	\$208,355.34	\$258,697.51	\$307,850.03	
142	motor(temperatura aceite velocidad etc)		UND	1	\$809,424.00	\$153,790.56	\$963,214.56	\$406,869.48	\$77,350.20	\$484,174.68	\$476,882.00	\$90,607.58	\$567,489.58	\$564,391.83	\$671,626.27	
143	Desmontar y montar motor giro tornamesa		UND	1	\$1,456,185.60	\$276,675.26	\$1,732,860.86	\$1,893,986.00	\$359,857.34	\$2,253,843.34	\$2,966,260.00	\$563,589.40	\$3,529,849.40	\$2,105,477.20	\$2,505,517.87	
144	ataque		UND	1	\$13,565,911.00	\$2,577,523.09	\$16,143,434.09	\$16,233,233.00	\$3,084,314.27	\$19,317,547.27	\$12,336,129.00	\$2,343,864.51	\$14,679,993.51	\$14,045,091.00	\$16,713,658.29	
145	discos sellos oring y partes afectadas)		GLOBAL	1	\$3,431,943.72	\$652,069.31	\$4,084,013.03	\$3,604,923.00	\$684,935.37	\$4,289,858.37	\$6,016,790.00	\$1,143,190.10	\$7,159,980.10	\$4,351,218.91	\$5,177,950.50	
146	Ajuste general de tornamesa		GLOBAL	1	\$2,117,244.00	\$402,276.36	\$2,519,520.36	\$1,692,153.90	\$321,509.24	\$2,013,663.14	\$3,621,859.00	\$688,153.21	\$4,310,012.21	\$2,477,085.63	\$2,947,731.90	
147	Desmonte tornamesa para cambio de strip de ajuste y puesta punto		GLOBAL	1	\$1,833,576.00	\$348,379.44	\$2,181,955.44	\$911,360.88	\$173,158.57	\$1,084,519.45	\$1,361,208.00	\$258,629.52	\$1,619,837.52	\$1,368,714.96	\$1,628,770.80	
148	Bajada y montaje de eje tornamesa para cambio de piñón		UND	1	\$1,431,862.92	\$272,053.95	\$1,703,916.87	\$2,573,342.00	\$488,934.98	\$3,062,276.98	\$2,111,170.00	\$401,122.30	\$2,512,292.30	\$2,038,791.64	\$2,426,162.05	
149	Remoción e instalación del motor de giro de la tornamesa		UND	1	\$2,088,410.00	\$396,797.90	\$2,485,207.90	\$1,119,486.60	\$212,702.45	\$1,332,189.05	\$1,503,253.00	\$285,618.07	\$1,788,871.07	\$1,570,383.20	\$1,868,756.01	
150	Rectificar rosca eje tornamesa		UND	1	\$152,852.76	\$29,042.02	\$181,894.78	\$185,155.00	\$33,179.45	\$220,334.45	\$261,335.00	\$49,653.65	\$310,988.65	\$199,780.92	\$237,739.29	
151	(un lado)		UND	1	\$1,195,872.00	\$227,215.68	\$1,423,087.68	\$965,750.00	\$183,492.50	\$1,149,242.50	\$890,024.04	\$169,104.57	\$1,059,128.61	\$1,017,215.35	\$1,210,486.26	
152	empaquetaduras		UND	1	\$1,488,356.00	\$282,787.64	\$1,771,143.64	\$1,325,548.00	\$251,854.12	\$1,577,402.12	\$907,560.36	\$172,436.47	\$1,079,996.83	\$1,240,488.12	\$1,476,180.86	
153	Desmontar y montar cilindro escarificador para cambio de empaquetaduras		UND	1	\$972,526.00	\$184,779.94	\$1,157,305.94	\$848,330.28	\$161,182.75	\$1,009,513.03	\$1,595,638.00	\$303,171.22	\$1,898,809.22	\$1,138,831.43	\$1,355,209.40	
154	empaquetaduras		UND	1	\$584,441.28	\$111,043.84	\$695,485.12	\$1,159,411.00	\$220,288.09	\$1,379,699.09	\$762,172.00	\$144,812.68	\$906,984.68	\$835,341.43	\$994,056.30	
155	empaquetadura (un lado)		UND	1	\$624,626.00	\$118,678.94	\$743,304.94	\$559,352.16	\$106,276.91	\$665,629.07	\$1,090,131.00	\$207,124.89	\$1,297,255.89	\$758,036.39	\$902,063.30	
156	mal estado		GLOBAL	1	\$1,241,611.00	\$235,906.09	\$1,477,517.09	\$2,378,368.00	\$451,899.92	\$2,830,257.92	\$1,020,994.92	\$193,989.03	\$1,214,983.95	\$1,546,991.31	\$1,840,919.65	
157	Cambio de cadenas tandem (un lado)		UND	1	\$1,375,658.00	\$261,375.02	\$1,637,033.02	\$644,037.48	\$122,367.12	\$766,404.60	\$751,772.00	\$142,836.68	\$894,608.68	\$923,822.49	\$1,099,348.77	
158	Desmontar y montar terminales de direccion (un lado)		UND	1	\$1,367,516.00	\$259,828.04	\$1,627,344.04	\$574,496.64	\$109,154.36	\$683,651.00	\$851,224.00	\$161,732.56	\$1,012,956.56	\$931,078.88	\$1,107,983.87	
159	lado)		UND	1	\$1,074,036.00	\$204,066.84	\$1,278,102.84	\$565,144.56	\$107,377.47	\$672,522.03	\$698,024.00	\$132,624.56	\$830,648.56	\$779,068.19	\$927,091.14	
160	Desmontar y montar culata		UND	1	\$10,991,619.00	\$2,088,407.61	\$13,080,026.61	\$5,773,524.00	\$1,096,969.56	\$6,870,493.56	\$4,022,016.30	\$764,183.10	\$4,786,199.40	\$6,929,053.10	\$8,245,573.19	
161	M. O reparacion general culata incluye mano de obra mecanica y rectificadora		GLOBAL	1	\$4,313,158.56	\$819,500.13	\$5,132,658.69	\$5,564,448.00	\$1,057,245.12	\$6,621,693.12	\$9,884,928.00	\$1,878,136.32	\$11,763,064.32	\$6,587,511.52	\$7,839,138.71	
162	Desmontar y montar discos sistema de freno (un lado)		UND	1	\$331,592.04	\$63,002.49	\$394,594.53	\$355,105.00	\$67,469.95	\$422,574.95	\$446,732.00	\$84,879.08	\$531,611.08	\$377,809.68	\$449,593.52	
163	Cambio empaquetaduras válvulas de freno y calibración		UND	1	\$435,751.20	\$82,792.73	\$518,543.93	\$786,125.00								

ITEM	MOTONIVELADORA CATERPILLAR 120 K	UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION													
175	Cambio de vidrios con sus empaques para la cabina (uno solo)	UND	1	\$368,172.36	\$69,952.75	\$438,125.11	\$605,993.00	\$115,138.67	\$721,131.67	\$540,584.00	\$102,710.96	\$643,294.96	\$504,916.45	\$600,850.58
176	Mantenimiento de Motor: Cambio de aceite cambio de filtros.	UND	1	\$1,188,905.00	\$225,891.95	\$1,414,796.95	\$1,363,099.00	\$258,998.81	\$1,622,087.81	\$1,115,709.30	\$211,994.77	\$1,327,694.07	\$1,222,571.10	\$1,454,859.61
177	Mantenimiento del Sistema Hidráulico: Cambio de Filtros y aceite hidráulico.	UND	1	\$993,141.00	\$181,837.79	\$1,181,837.79	\$988,019.00	\$187,723.61	\$1,175,742.61	\$947,739.15	\$180,070.44	\$1,127,809.59	\$976,299.72	\$1,161,796.66
178	Reparación switch de encendido	UND	1	\$259,326.72	\$49,272.08	\$308,598.80	\$314,949.00	\$59,840.31	\$374,789.31	\$303,591.00	\$57,682.29	\$361,273.29	\$292,622.24	\$348,220.47
179	partes en mal estado	GLOBAL	1	\$2,072,621.00	\$393,797.99	\$2,466,418.99	\$1,405,363.05	\$267,018.99	\$1,672,382.03	\$1,647,916.00	\$313,104.04	\$1,961,020.04	\$1,708,633.35	\$2,033,273.69
180	Cambio solenoide de desplazamiento cuchilla	UND	1	\$506,636.00	\$96,260.84	\$602,896.84	\$352,871.00	\$67,045.49	\$419,916.49	\$316,175.40	\$60,073.33	\$376,248.73	\$391,894.13	\$466,354.02
181	Cambio manguera enfriador	UND	1	\$647,630.00	\$123,049.70	\$770,679.70	\$277,257.60	\$52,678.94	\$329,936.54	\$411,683.00	\$78,219.77	\$489,902.77	\$445,523.53	\$530,173.00
182	Cambio de sellos espejo y retenedores	UND	1	\$1,420,677.00	\$269,928.63	\$1,690,605.63	\$1,079,917.92	\$205,184.40	\$1,285,102.32	\$1,745,915.00	\$331,723.85	\$2,077,638.85	\$1,415,503.31	\$1,684,448.93
183	Cambio de eje principal y piñón de ataque	UND	1	\$813,944.00	\$154,649.36	\$968,593.36	\$802,391.40	\$152,454.37	\$954,845.77	\$1,303,636.00	\$247,690.84	\$1,551,326.84	\$973,323.80	\$1,158,255.32
184	Reconstruir dientes piñón de giro	UND	1	\$1,895,623.20	\$360,168.41	\$2,255,791.61	\$2,786,949.00	\$529,520.31	\$3,316,469.31	\$4,575,238.00	\$869,295.22	\$5,444,533.22	\$3,085,936.73	\$3,672,264.71
185	Servicio scanner	UND	1	\$1,389,233.00	\$263,954.27	\$1,653,187.27	\$605,793.60	\$115,100.78	\$720,894.38	\$825,538.00	\$156,852.22	\$982,390.22	\$940,188.20	\$1,118,823.96
186	Reparacion general turbo incluido cambio de partes afectadas	GLOBAL	1	\$9,846,779.00	\$1,870,888.01	\$11,717,667.01	\$5,421,048.00	\$1,029,999.12	\$6,451,047.12	\$3,801,291.84	\$722,245.45	\$4,523,537.29	\$6,356,372.95	\$7,564,083.81
187	Desmontar e instalar radiador e intercooler para mantenimiento	UND	1	\$459,753.00	\$87,353.07	\$547,106.07	\$364,378.32	\$69,231.88	\$433,610.20	\$699,820.00	\$132,965.80	\$832,785.80	\$507,983.77	\$604,500.69
188	Cambio de correas	UND	1	\$409,621.00	\$77,827.99	\$487,448.99	\$313,772.00	\$59,616.68	\$373,388.68	\$242,879.04	\$46,147.02	\$289,026.06	\$322,090.68	\$383,287.91
189	Desmontar silla operador	UND	1	\$210,508.20	\$39,996.56	\$250,504.76	\$347,768.00	\$66,075.92	\$413,843.92	\$291,484.00	\$55,381.96	\$346,865.96	\$283,253.40	\$337,071.55
190	Cambio de aceite tandem	UND	1	\$124,678.08	\$23,688.84	\$148,366.92	\$135,581.00	\$25,760.39	\$161,341.39	\$209,060.00	\$39,721.40	\$248,781.40	\$156,439.69	\$186,163.24
191	Cambio deposito refrigerante (tarro auxiliar)	UND	1	\$257,887.00	\$48,998.53	\$306,885.53	\$175,824.36	\$33,406.63	\$209,230.99	\$232,979.00	\$44,266.01	\$277,245.01	\$222,230.12	\$264,453.84
192	Cambio de lamparas direccionales	GLOBAL	1	\$348,126.00	\$66,143.94	\$414,269.94	\$296,139.00	\$56,266.41	\$352,405.41	\$218,507.04	\$41,516.34	\$260,023.38	\$287,590.68	\$342,232.91
193	Arreglo de luces traseras y luces delanteras	GLOBAL	1	\$394,902.00	\$75,031.38	\$469,933.38	\$523,580.00	\$99,480.20	\$623,060.20	\$268,432.20	\$51,002.12	\$319,434.32	\$395,638.07	\$470,809.30
194	Arreglo direccionales y luz de reversa	GLOBAL	1	\$793,977.00	\$150,855.63	\$944,832.63	\$506,700.00	\$96,273.00	\$602,973.00	\$349,939.44	\$66,488.49	\$416,427.93	\$550,205.48	\$654,744.52
195	Desmontar y montar soporte riel y mordazas	UND	1	\$502,261.00	\$95,429.59	\$597,690.59	\$371,480.40	\$70,581.28	\$442,061.68	\$488,355.00	\$92,787.45	\$581,142.45	\$454,032.13	\$540,298.24
196	Mantenimiento a la linea de combustible	UND	1	\$482,264.00	\$91,630.16	\$573,894.16	\$278,311.00	\$52,879.09	\$331,190.09	\$235,918.80	\$44,824.57	\$280,743.37	\$332,164.60	\$395,275.87
197	Desmontar y reparar ventilador cambio de rodamientos y sellos	UND	1	\$717,020.00	\$136,233.80	\$853,253.80	\$396,957.00	\$75,421.83	\$472,378.83	\$280,502.64	\$53,295.50	\$333,798.14	\$464,826.55	\$553,143.59
198	Cambio strip pala	UND	1	\$547,275.96	\$103,982.43	\$651,258.39	\$1,335,691.00	\$253,781.29	\$1,589,472.29	\$815,189.00	\$154,885.91	\$970,074.91	\$899,385.32	\$1,070,268.53
199	Restauracion de dientes y bases de las cremalleras de la pala	UND	1	\$3,260,367.00	\$619,469.73	\$3,879,836.73	\$2,304,483.00	\$437,851.77	\$2,742,334.77	\$2,100,962.16	\$399,182.81	\$2,500,144.97	\$2,555,270.72	\$3,040,772.16
200	Desmonte y montar inyectorres	UND	1	\$2,456,455.00	\$466,536.45	\$2,921,991.45	\$1,964,507.76	\$373,256.47	\$2,337,764.23	\$3,928,637.00	\$746,441.03	\$4,675,078.03	\$2,782,866.59	\$3,311,611.24
201	Desmonte de tapas valvulas para cambio de empaque	UND	1	\$503,894.00	\$95,739.86	\$599,633.86	\$347,750.64	\$66,072.62	\$413,823.26	\$792,654.00	\$150,604.26	\$943,258.26	\$548,099.55	\$652,238.46
202	Desmonte bomba de inyeccion	UND	1	\$1,990,440.00	\$378,183.60	\$2,368,623.60	\$5,460,876.00	\$1,037,566.44	\$6,498,442.44	\$2,862,938.00	\$543,958.22	\$3,406,896.22	\$3,438,084.67	\$4,091,320.75
203	laboratorio	GLOBAL	1	\$6,058,581.00	\$1,151,130.39	\$7,209,711.39	\$2,832,197.76	\$538,117.57	\$3,370,315.33	\$4,154,086.00	\$789,276.34	\$4,943,362.34	\$4,348,288.25	\$5,174,463.02
204	Cambio de valvula llanta	UND	1	\$131,627.00	\$25,009.13	\$156,636.13	\$294,153.00	\$55,889.07	\$350,042.07	\$180,394.00	\$34,274.86	\$214,668.86	\$202,058.00	\$240,449.02
205	Cambio bomba de agua	UND	1	\$3,610,020.00	\$685,903.80	\$4,295,923.80	\$2,535,789.00	\$481,799.91	\$3,017,588.91	\$1,860,800.85	\$353,552.16	\$2,214,353.01	\$2,668,869.95	\$3,175,955.24
206	Reparacion bomba de agua	UND	1	\$3,321,033.00	\$630,996.27	\$3,952,029.27	\$4,014,746.00	\$762,801.74	\$4,777,547.74	\$2,454,202.08	\$466,298.40	\$2,920,500.48	\$3,263,327.03	\$3,883,359.16
207	Reconstruccion de soportes strips	UND	1	\$1,008,022.00	\$191,524.18	\$1,199,546.18	\$743,035.32	\$141,176.71	\$884,212.03	\$1,038,916.00	\$197,394.04	\$1,236,310.04	\$929,991.11	\$1,106,689.42
208	Mantenimiento de las lineas de combustible sistema de inyeccion	GLOBAL	1	\$631,814.00	\$120,044.66	\$751,858.66	\$477,353.70	\$90,697.20	\$568,050.90	\$778,576.00	\$147,929.44	\$926,505.44	\$629,247.90	\$748,805.00
209	Cambio de la empaquetaduras del selector de cambios y bases solenoides	UND	1	\$658,780.92	\$125,168.37	\$783,949.29	\$664,181.00	\$126,194.39	\$790,375.39	\$836,396.00	\$158,915.24	\$995,311.24	\$719,785.97	\$856,545.31
210	Revision y mantenimiento a control de cambio de la cabina	UND	1	\$824,837.00	\$156,719.03	\$981,556.03	\$1,067,457.00	\$202,816.83	\$1,270,273.83	\$704,754.00	\$133,903.26	\$838,657.26	\$865,682.67	\$1,030,162.37
211	ABRAZADERA METALICA	UND	1	\$42,536.16	\$8,081.87	\$50,618.03	\$62,505.00	\$11,875.95	\$74,380.95	\$86,144.00	\$16,367.36	\$102,511.36	\$63,728.39	\$75,836.78
212	D/M TURBO CARGADOR E INSTALACION	UND	1	\$7,513,666.00	\$1,427,596.54	\$8,941,262.54	\$3,869,402.00	\$735,186.38	\$4,604,588.38	\$2,790,972.45	\$530,284.77	\$3,321,257.22	\$4,724,680.15	\$5,622,369.38
213	calibracion sensor presion combustible	UND	1	\$4,373,258.00	\$830,919.02	\$5,204,177.02	\$4,604,724.00	\$874,897.56	\$5,479,621.56	\$3,523,269.60	\$669,421.22	\$4,192,690.82	\$4,167,083.87	\$4,958,829.80
214	reparacion bomba hidraulica incluye remplazo partes afectadas	UND	1	\$14,856,582.00	\$2,822,750.58	\$17,679,332.58	\$10,665,119.70	\$2,026,372.74	\$12,691,492.44	\$17,403,782.00	\$3,306,718.58	\$20,710,500.58	\$14,308,494.57	\$17,027,108.53
215	d/m bomba hidraulica	UND	1	\$2,471,377.05	\$469,561.64	\$2,940,938.69	\$3,357,121.00	\$637,852.99	\$3,994,973.99	\$3,305,647.00	\$628,072.93	\$3,933,719.93	\$3,044,715.02	\$3,623,210.87
216	Rearacion electrica del banco de valvulas solenoides	UND	1	\$3,548,298.00	\$674,176.62	\$4,222,474.62	\$3,898,691.00	\$740,751.29	\$4,639,442.29	\$3,420,904.32	\$649,971.82	\$4,070,876.14	\$3,622,631.11	\$4,310,931.02
217	Sevicio de grua en camabaja incluido cabezote precio por kilometros	UND	1	\$69,002.00	\$13,110.38	\$82,112.38	\$113,642.00	\$9,811.98	\$123,453.98	\$113,254.00	\$21,518.26	\$134,772.26	\$77,966.00	\$92,779.54
218	REVISION Y REPARACION ARNES INYECCION	UND	1	\$2,957,064.00	\$561,842.16	\$3,518,906.16	\$2,890,578.00	\$549,209.82	\$3,439,787.82	\$4,233,209.00	\$804,309.71	\$5,037,518.71	\$3,360,283.67	\$3,998,737.56
219	REVISION SISTEMA HIDRAULICO	UND	1	\$4,886,108.00	\$928,360.52	\$5,814,468.52	\$1,980,770.00	\$376,346.30	\$2,357,116.30	\$2,940,724.00	\$558,737.56	\$3,499,461.56	\$3,269,200.67	\$3,890,348.79
220	D/M RIEL INYECCIÓN	UND	1	\$1,990,780.00	\$378,248.20	\$2,369,028.20	\$2,424,464.00	\$536,648.16	\$3,361,112.16	\$2,229,774.00	\$423,657.06	\$2,653,431.06	\$2,348,339.33	\$2,794,523.81
221	CAMBIO CAMISILLAS INYECTORES	UND	1	\$1,250,320.00	\$237,560.80	\$1,487,880.80	\$2,076,443.00	\$394,524.17	\$2,470,967.17	\$1,453,813.00	\$276,224.47	\$1,730,037.47	\$1,593,525.33	\$1,896,295.15

ÍTEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION														
231	23S-49-13122 Filtros para servo		UND	1	\$2,222,260.00	\$422,229.40	\$2,644,489.40	\$876,335.10	\$166,503.67	\$1,042,838.77	\$1,145,884.00	\$217,717.96	\$1,363,601.96	\$1,414,826.37	\$1,683,643.38
232	Empaquetadura cilindro de freno rueda		UND	1	\$1,063,414.44	\$202,048.74	\$1,265,463.18	\$1,448,854.00	\$275,282.26	\$1,724,136.26	\$1,421,142.00	\$270,016.98	\$1,691,158.98	\$1,311,136.81	\$1,560,252.81
233	Empaquetadura cilindro hidraulico desplazamiento lateral pala		UND	1	\$1,349,436.00	\$256,392.84	\$1,605,828.84	\$705,310.20	\$134,008.94	\$839,319.14	\$897,873.00	\$170,595.87	\$1,068,468.87	\$984,206.40	\$1,171,205.62
234	Empaquetadura cilindro hidraulico articulacion		UND	1	\$1,850,202.00	\$351,538.38	\$2,201,740.38	\$928,767.00	\$176,465.73	\$1,105,232.73	\$865,180.80	\$164,384.35	\$1,029,565.15	\$1,214,716.60	\$1,445,512.75
235	Empaquetadura cilindro hidraulico de dirección 23B-63-72102		UND	1	\$1,953,315.00	\$371,129.85	\$2,324,444.85	\$970,293.96	\$184,355.85	\$1,154,649.81	\$1,176,973.00	\$223,624.87	\$1,400,597.87	\$1,366,860.65	\$1,626,564.18
236	Empaquetadura Cilindro hidraulico levante de la pala 23A-63-12101		UND	1	\$1,210,355.00	\$229,967.45	\$1,440,322.45	\$951,167.52	\$180,721.83	\$1,131,889.35	\$1,592,057.00	\$302,490.83	\$1,894,547.83	\$1,251,193.17	\$1,488,919.88
237	Empaquetaduras cilindro hidraulico elevacion tornamesa		UND	1	\$1,108,038.00	\$210,527.22	\$1,318,565.22	\$890,868.00	\$169,264.92	\$1,060,132.92	\$622,110.60	\$118,201.01	\$740,311.61	\$873,672.20	\$1,039,669.92
238	Empaquetadura cilindro hidraulico tumbavuedas 23A-63-X1270		UND	1	\$836,623.80	\$158,958.52	\$995,582.32	\$1,756,713.00	\$333,775.47	\$2,090,488.47	\$913,177.00	\$173,503.63	\$1,086,680.63	\$1,168,837.93	\$1,390,917.14
239	Camisa cilindro desplazamiento		UND	1	\$2,669,901.00	\$507,281.19	\$3,177,182.19	\$4,968,841.00	\$944,079.79	\$5,912,920.79	\$2,516,480.64	\$478,131.32	\$2,994,611.96	\$3,385,074.21	\$4,028,238.31
240	Eje cromado cilindro desplazamiento		UND	1	\$2,254,873.00	\$428,425.87	\$2,683,298.87	\$1,750,914.00	\$332,673.66	\$2,083,587.66	\$1,959,918.00	\$372,384.42	\$2,332,302.42	\$1,988,568.33	\$2,366,396.32
241	Empaquetadura bomba hidraulica		UND	1	\$2,516,569.92	\$478,148.28	\$2,994,718.20	\$5,174,419.00	\$983,139.61	\$6,157,558.61	\$3,322,994.00	\$631,368.86	\$3,954,362.86	\$3,671,327.64	\$4,368,879.89
242	Empaquetadura valvula divisora de flujo		UND	1	\$2,921,141.00	\$555,016.79	\$3,476,157.79	\$3,603,032.00	\$684,576.08	\$4,287,608.08	\$1,973,084.04	\$374,885.97	\$2,347,970.01	\$2,832,419.01	\$3,370,578.63
243	SENSOR TEMPERATURA MOTOR		UND	1	\$1,111,290.00	\$211,145.10	\$1,322,435.10	\$1,609,812.00	\$305,864.28	\$1,915,676.28	\$987,675.48	\$187,658.34	\$1,175,333.82	\$1,236,259.16	\$1,471,148.40
244	SENSOR DE PRESION ACEITE		UND	1	\$1,256,328.00	\$238,702.32	\$1,495,030.32	\$719,793.00	\$136,760.67	\$856,553.67	\$623,273.76	\$118,422.01	\$741,695.77	\$866,464.92	\$1,031,093.25
245	SENSOR TEMPERATURA HIDRAULICO		UND	1	\$1,441,739.00	\$273,930.41	\$1,715,669.41	\$979,729.00	\$186,148.51	\$1,165,877.51	\$738,541.08	\$140,322.81	\$878,863.89	\$1,053,336.36	\$1,253,470.27
246	Empaquetadura cilindro freno		UND	1	\$659,164.00	\$125,241.16	\$784,405.16	\$455,949.36	\$86,630.38	\$542,579.74	\$1,076,444.00	\$204,524.36	\$1,280,968.36	\$730,519.12	\$969,317.75
247	Vidrio parabrisas 23A-950-1630		UND	1	\$3,666,176.00	\$696,573.44	\$4,362,749.44	\$5,398,162.00	\$1,025,650.78	\$6,423,812.78	\$3,380,258.88	\$642,249.19	\$4,022,508.07	\$4,148,198.96	\$4,936,356.76
248	Vidrio para cabina 23B-950-1660		UND	1	\$3,302,329.00	\$627,442.51	\$3,929,771.51	\$1,455,545.88	\$276,553.72	\$1,732,099.60	\$1,818,442.00	\$345,503.98	\$2,163,945.98	\$2,192,105.63	\$2,608,605.70
249	Vidrio lateral 23B-950-1650		UND	1	\$2,142,784.00	\$407,128.96	\$2,549,912.96	\$1,338,441.00	\$254,303.79	\$1,592,744.79	\$1,182,992.40	\$224,768.56	\$1,407,760.96	\$1,554,739.13	\$1,850,139.57
250	Vidrio panoramico superior plano		UND	1	\$1,531,118.00	\$290,912.42	\$1,822,030.42	\$1,721,870.00	\$327,155.30	\$2,049,025.30	\$1,331,532.00	\$252,991.08	\$1,584,523.08	\$1,528,173.33	\$1,818,526.27
251	Empaque caucho para vidrio panoramico		UND	1	\$685,397.52	\$130,225.53	\$815,623.05	\$703,128.00	\$133,594.32	\$836,722.32	\$976,203.00	\$185,478.57	\$1,161,681.57	\$788,242.84	\$938,008.98
252	Vidrio superior puerta		UND	1	\$972,768.00	\$184,825.92	\$1,157,593.92	\$896,409.72	\$170,317.85	\$1,066,727.57	\$1,385,785.00	\$263,299.15	\$1,649,084.15	\$1,084,987.57	\$1,291,135.21
253	Empaque para vidrio puerta		UND	1	\$742,337.28	\$141,044.08	\$883,381.36	\$889,848.00	\$169,071.12	\$1,058,919.12	\$896,232.00	\$170,284.08	\$1,066,516.08	\$842,805.76	\$1,002,938.85
254	Vidrio puerta inferior plano		UND	1	\$1,108,001.00	\$210,520.19	\$1,318,521.19	\$767,775.24	\$145,877.30	\$913,652.54	\$1,746,748.00	\$331,882.12	\$2,078,630.12	\$1,207,508.08	\$1,436,934.62
255	Vidrio puerta superior plano		UND	1	\$1,102,136.76	\$209,405.96	\$1,311,542.74	\$3,059,789.00	\$581,359.91	\$3,641,148.91	\$1,562,683.00	\$296,909.77	\$1,859,592.77	\$1,908,202.92	\$2,270,761.47
256	Manguera servo 07260-23214		UND	1	\$914,409.00	\$173,737.71	\$1,088,146.71	\$362,926.50	\$68,956.04	\$431,882.54	\$464,412.00	\$88,238.28	\$552,650.28	\$580,582.50	\$690,893.18
257	Mangueras hidráulicas con acoples 0710-20608		UND	1	\$518,630.70	\$98,539.83	\$617,170.53	\$853,408.00	\$162,147.52	\$1,015,555.52	\$597,010.00	\$113,431.90	\$710,441.90	\$656,349.57	\$781,055.98
258	Manguera hidraulica 3/8 x0.42 mts con acoples		UND	1	\$649,751.00	\$123,452.69	\$773,203.69	\$443,063.40	\$84,182.05	\$527,245.45	\$1,253,163.00	\$238,100.97	\$1,491,263.97	\$781,992.47	\$939,571.04
259	Bomba pedal de freno		UND	1	\$3,521,714.00	\$669,125.66	\$4,190,839.66	\$1,616,888.72	\$307,170.86	\$1,923,859.58	\$2,228,502.00	\$423,415.38	\$2,651,917.38	\$2,455,634.91	\$2,922,205.54
260	Cilindro de freno rueda		UND	1	\$532,694.16	\$101,211.89	\$633,906.05	\$1,277,266.00	\$242,680.54	\$1,519,946.54	\$639,273.00	\$121,461.87	\$760,734.87	\$816,411.05	\$971,529.15
261	Bandas de frenos 232-32-53131		JUEGO	1	\$1,089,968.40	\$207,094.00	\$1,297,062.40	\$1,145,270.00	\$217,601.30	\$1,362,871.30	\$1,532,889.00	\$291,248.91	\$1,824,137.91	\$1,256,042.47	\$1,494,690.54
262	Empaquetadura bomba principal de freno		UND	1	\$702,741.00	\$133,520.79	\$836,261.79	\$750,686.00	\$142,630.34	\$893,316.34	\$487,798.92	\$92,681.79	\$580,480.71	\$647,075.31	\$770,019.61
263	Guaya control palanca transmision		UND	1	\$550,160.64	\$104,530.52	\$654,691.16	\$728,831.00	\$138,477.89	\$867,308.89	\$1,149,178.00	\$218,343.82	\$1,367,521.82	\$809,389.88	\$963,173.96
264	Guaya pedal de avance		UND	1	\$441,519.84	\$83,888.77	\$525,408.61	\$449,805.00	\$85,462.95	\$535,267.95	\$895,310.00	\$170,108.90	\$1,065,418.90	\$595,544.95	\$708,698.49
265	Sproket tandem		UND	1	\$12,189,924.00	\$2,316,085.56	\$14,506,009.56	\$4,302,531.72	\$817,481.03	\$5,120,012.75	\$6,134,617.00	\$1,165,577.23	\$7,300,194.23	\$7,542,357.57	\$8,975,405.51
266	Sproket mando final transmision		UND	1	\$20,958,763.00	\$3,982,164.97	\$24,940,927.97	\$11,187,664.92	\$2,125,656.33	\$13,313,321.25	\$14,110,599.00	\$2,681,013.81	\$16,791,612.81	\$15,419,008.97	\$18,348,620.68
267	Motor hidraulico de giro tornamesa		UND	1	\$9,407,170.00	\$1,787,362.30	\$11,194,532.30	\$13,912,315.00	\$2,643,339.85	\$16,555,654.85	\$6,861,084.12	\$1,303,605.96	\$8,164,690.10	\$10,060,189.71	\$11,971,625.75
268	Empaquetadura motor hidraulico de giro tornamesa		UND	1	\$3,345,513.00	\$635,647.47	\$3,981,160.47	\$5,452,386.00	\$1,035,953.34	\$6,488,339.34	\$2,822,355.00	\$536,247.45	\$3,358,602.45	\$3,873,418.00	\$4,609,367.42
269	Motor de apagado motor		UND	1	\$5,532,549.00	\$1,051,184.31	\$6,583,733.31	\$2,859,074.00	\$543,224.06	\$3,402,298.06	\$1,966,185.00	\$373,575.15	\$2,339,760.15	\$3,452,602.67	\$4,108,597.17
270	Soportes de motor		UND	1	\$1,850,738.00	\$351,640.22	\$2,202,378.22	\$1,102,609.00	\$209,495.71	\$1,312,104.71	\$829,577.52	\$157,619.73	\$987,197.25	\$1,260,974.84	\$1,500,560.06
271	Tarro de expansion		UND	1	\$2,291,341.32	\$435,354.85	\$2,726,696.17	\$4,059,312.00	\$771,269.28	\$4,830,581.28	\$2,385,794.00	\$453,300.86	\$2,839,094.86	\$2,912,149.11	\$3,465,457.44
272	Empaque tapa distribucion		UND	1	\$215,161.56	\$40,880.70	\$256,042.26	\$355,751.00	\$67,592.69	\$423,343.69	\$252,258.00	\$47,929.02	\$300,187.02	\$274,390.19	\$326,524.32
273	Reten trasero cigueñal		UND	1	\$636,125.76	\$120,863.89	\$756,989.65	\$867,184.00	\$164,764.96	\$1,031,948.96	\$1,400,306.00	\$266,058.14	\$1,666,364.14	\$967,871.92	\$1,151,767.58
274	Bomba de aceite motor		UND	1	\$5,422,967.00	\$1,030,363.73	\$6,453,330.73	\$2,618,919.90	\$497,594.82	\$3,116,514.68	\$3,120,725.00	\$592,937.75	\$3,713,662.75	\$3,720,870.63	\$4,427,836.05
275	Tubing de aceite lubricacion superior turbo		UND	1	\$485,050.68	\$92,159.63	\$577,210.31	\$1,175,578.00	\$223,359.82	\$1,398,937.82	\$588,699.00	\$111,852.81	\$700,551.81	\$749,775.89	\$892,233.31
276	Solenoides motor de arranque		UND	1	\$1,125,165.24	\$213,781.40	\$1,338,946.64	\$2,731,506.00	\$518,986.14	\$3,250,492.14	\$1,406,349.00	\$267,206.31	\$1,673,555.31	\$1,754,340.08	\$2,087,664.70
277	Tubing de aceite lubricacion inferior turbo		UND	1	\$396,526.32	\$75,340.00	\$471,866.32	\$719,704.00	\$136,743.16	\$856,447.16	\$523,215.00	\$99,410.85	\$622,625.85	\$546,481.77	\$650,313.31
278	Empaque del turbo		UND	1	\$262,174.00	\$49,813.06	\$311,987.06	\$193,658.76	\$36,795.16	\$230,453.92	\$201,381.00	\$38,262.39	\$239,643.39	\$219,071.25	\$260,694.79
279	valvula de control 23A-60-12500		UND	1	\$3,478,884.00	\$660									

ITEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION														
290	Termostato		UND	1	\$919,273.00	\$174,661.87	\$1,093,934.87	\$434,113.56	\$82,481.58	\$516,595.14	\$588,521.00	\$111,818.99	\$700,339.99	\$647,302.52	\$770,290.00
291	Alternador		UND	1	\$4,312,254.60	\$819,328.37	\$5,131,582.97	\$12,284,466.00	\$2,334,048.54	\$14,618,514.54	\$6,328,032.00	\$1,202,326.08	\$7,530,358.08	\$7,641,584.20	\$9,093,485.20
292	Llantas 1400 X 24 (16 lonas) con protector		UND	1	\$10,727,129.00	\$2,038,154.51	\$12,765,283.51	\$11,839,399.00	\$2,249,485.81	\$14,088,884.81	\$7,380,990.00	\$1,402,388.10	\$8,783,378.10	\$9,982,506.00	\$11,879,182.14
293	Neumáticos 1400x24		UND	1	\$290,373.00	\$55,170.87	\$345,543.87	\$382,154.00	\$72,609.26	\$454,763.26	\$216,451.20	\$41,125.73	\$257,576.93	\$296,326.07	\$352,628.02
294	Cuchillas para la pala 232-70-12143		UND	1	\$2,626,032.00	\$498,946.08	\$3,124,978.08	\$1,539,892.00	\$292,579.48	\$1,832,471.48	\$1,368,750.60	\$260,062.61	\$1,628,813.21	\$1,844,891.53	\$2,195,420.92
295	Esquineros para la pala 232-70-52190		UND	1	\$894,457.00	\$169,946.83	\$1,064,403.83	\$545,145.90	\$103,577.72	\$648,723.62	\$601,205.00	\$114,228.95	\$715,433.95	\$680,269.30	\$809,520.47
296	Sobre esquineras para la pala 232-70-52191		UND	1	\$847,164.96	\$160,961.34	\$1,008,126.30	\$1,048,870.00	\$199,285.30	\$1,248,155.30	\$1,776,149.00	\$337,468.31	\$2,113,617.31	\$1,224,061.32	\$1,456,632.97
297	Tornillos con tuerca para las cuchillas 232-70-12450		UND	1	\$48,324.60	\$9,181.67	\$57,506.27	\$55,922.00	\$10,625.18	\$66,547.18	\$88,850.00	\$16,881.50	\$105,731.50	\$64,365.53	\$76,594.98
298	Tornillos con tuerca para los esquineros 232-70- 12560		UND	1	\$111,837.00	\$21,249.03	\$133,086.03	\$108,210.60	\$20,560.01	\$128,770.61	\$122,850.00	\$23,341.50	\$146,191.50	\$114,299.20	\$136,016.05
299	Cadenas para tándem 23A-23-11400		UND	1	\$1,868,565.24	\$355,027.40	\$2,223,592.64	\$2,067,563.00	\$392,836.97	\$2,460,399.97	\$2,817,808.00	\$535,383.52	\$3,353,191.52	\$2,251,312.08	\$2,679,061.38
300	Sellos para mando final 07012-00140		UND	1	\$746,178.48	\$141,773.91	\$887,952.39	\$1,171,892.00	\$222,659.48	\$1,394,551.48	\$1,048,993.00	\$199,308.67	\$1,248,301.67	\$989,021.16	\$1,176,935.18
301	Sellos oring mando final 07000-15460		UND	1	\$278,183.00	\$52,854.77	\$331,037.77	\$144,341.64	\$27,424.91	\$171,766.55	\$173,304.00	\$32,927.76	\$206,231.76	\$198,609.55	\$236,345.36
302	Váquelas mando final 23A-22-11450		UND	1	\$566,852.76	\$107,702.02	\$674,554.78	\$751,018.00	\$142,693.42	\$893,711.42	\$1,054,277.00	\$200,312.63	\$1,254,589.63	\$790,715.92	\$940,951.94
303	Rodillos con cuna del tandem 06002-32216		UND	1	\$831,360.00	\$157,958.40	\$989,318.40	\$563,785.00	\$107,119.15	\$670,904.15	\$494,699.39	\$593,117.23	\$631,187.61	\$751,113.26	\$872,226.87
304	Terminales de dirección Juegos 23B-27-11460		JUEGO	1	\$2,848,705.20	\$541,253.99	\$3,389,959.19	\$5,815,735.00	\$1,104,989.65	\$6,920,724.65	\$3,821,005.00	\$725,990.95	\$4,546,995.95	\$4,161,815.07	\$4,952,559.93
305	Strip para el tornamesa 232-70-12430		UND	1	\$1,018,508.00	\$193,516.52	\$1,212,024.52	\$690,498.90	\$131,194.79	\$821,693.69	\$1,393,773.00	\$264,816.87	\$1,658,589.87	\$1,034,259.97	\$1,230,769.36
306	Sellos para el tornamesa 07012-00062		UND	1	\$652,932.00	\$124,057.08	\$776,989.08	\$520,342.20	\$98,865.02	\$619,207.22	\$1,037,514.00	\$197,127.66	\$1,234,641.66	\$736,929.40	\$876,945.99
307	Eje tornamesa 232-70-16440		UND	1	\$11,847,222.00	\$2,250,972.18	\$14,098,194.18	\$8,587,768.68	\$1,631,676.05	\$10,219,444.73	\$9,658,568.00	\$1,835,127.92	\$11,493,695.92	\$10,031,186.23	\$11,937,111.61
308	Sinfin tornamesa 23B-70-15151		UND	1	\$5,486,552.64	\$1,042,445.00	\$6,528,997.64	\$7,569,514.00	\$1,438,207.66	\$9,007,721.66	\$5,547,896.00	\$1,054,100.24	\$6,601,996.24	\$6,201,320.88	\$7,379,571.85
309	Exploradores 24V		UND	1	\$1,310,031.00	\$248,905.89	\$1,558,936.89	\$2,273,572.00	\$431,978.68	\$2,705,550.68	\$1,190,246.56	\$226,147.23	\$1,416,395.79	\$1,591,283.85	\$1,893,627.79
310	Baterías 4D1400		UND	1	\$2,841,232.00	\$539,834.08	\$3,381,066.08	\$4,657,805.00	\$884,982.95	\$5,542,787.95	\$2,405,000.00	\$456,950.00	\$2,861,950.00	\$3,301,345.67	\$3,928,601.34
311	Bornes batería		UND	1	\$83,944.00	\$15,949.36	\$99,893.36	\$66,369.24	\$12,610.16	\$78,979.40	\$108,143.00	\$20,547.17	\$128,690.17	\$86,152.08	\$102,520.98
312	Sello retenedor 62x85x12		UND	1	\$359,786.52	\$68,359.44	\$428,145.96	\$468,370.00	\$88,990.30	\$557,360.30	\$475,315.00	\$141,609.85	\$616,924.85	\$524,490.51	\$624,143.70
313	Rodamiento 322/16		UND	1	\$181,059.12	\$34,401.23	\$215,460.35	\$213,415.00	\$40,546.85	\$253,961.85	\$278,032.00	\$52,826.08	\$330,858.08	\$224,168.71	\$266,760.76
314	Fusible piñón de ataque		UND	1	\$623,674.44	\$118,498.14	\$742,172.58	\$737,679.00	\$140,159.01	\$877,838.01	\$1,179,676.00	\$224,138.44	\$1,403,814.44	\$847,009.81	\$1,007,941.68
315	empaque lamina exosto		UND	1	\$157,165.00	\$29,861.35	\$187,026.35	\$209,427.00	\$39,791.13	\$249,218.13	\$132,875.28	\$25,246.30	\$158,121.58	\$166,489.09	\$198,122.02
316	Tubo de escape		UND	1	\$1,125,835.00	\$213,908.65	\$1,339,743.65	\$1,416,937.00	\$269,211.00	\$1,686,155.00	\$999,880.92	\$189,977.37	\$1,189,858.29	\$1,180,884.31	\$1,405,252.32
317	Turbo 6207-818130		UND	1	\$11,638,722.00	\$2,211,357.18	\$13,850,079.18	\$10,056,124.00	\$1,910,663.56	\$11,966,787.56	\$9,726,472.44	\$1,848,029.76	\$11,574,502.20	\$10,473,772.81	\$12,463,789.65
318	Empaque 6150-11-5710 escape		UND	1	\$540,726.00	\$102,737.94	\$643,463.94	\$328,030.00	\$62,325.70	\$390,355.70	\$242,809.92	\$46,133.88	\$288,943.80	\$370,521.97	\$440,921.15
319	Retenedor cigüeñal delantero 6204-21-3510		UND	1	\$882,564.48	\$167,687.25	\$1,050,251.73	\$954,546.00	\$181,363.74	\$1,135,909.74	\$1,554,037.00	\$295,267.03	\$1,849,304.03	\$1,130,382.49	\$1,345,155.17
320	Tapa radiador		UND	1	\$137,007.00	\$26,031.33	\$163,038.33	\$246,775.00	\$46,887.25	\$293,662.25	\$179,306.00	\$34,068.14	\$213,374.14	\$187,696.00	\$223,358.24
321	Direccionales		UND	1	\$798,062.04	\$151,631.79	\$949,693.83	\$1,099,856.00	\$208,972.64	\$1,308,828.64	\$816,015.00	\$155,042.85	\$971,057.85	\$904,644.35	\$1,076,526.77
322	Pito de reversa		UND	1	\$1,471,789.00	\$279,639.91	\$1,751,428.91	\$1,092,651.36	\$207,604.33	\$1,300,258.69	\$1,125,672.00	\$213,877.68	\$1,339,549.68	\$1,230,038.45	\$1,463,745.76
323	233-71-13354 Piñón de ataque		UND	1	\$9,220,467.00	\$1,751,888.73	\$10,972,355.73	\$12,347,422.00	\$2,346,010.18	\$14,693,432.18	\$7,796,652.12	\$1,481,363.90	\$9,278,016.02	\$9,788,180.37	\$11,647,934.64
324	Reloj presion temperatura		UND	1	\$933,674.76	\$177,398.20	\$1,111,072.96	\$1,361,720.00	\$258,726.80	\$1,620,446.80	\$1,280,946.00	\$243,379.74	\$1,524,325.74	\$1,192,113.59	\$1,418,615.17
325	Bombin transferencia 152200-5420		UND	1	\$856,416.24	\$162,719.09	\$1,019,135.33	\$2,210,716.00	\$420,036.04	\$2,630,752.04	\$1,122,873.00	\$213,345.87	\$1,336,218.87	\$1,396,668.41	\$1,662,035.41
326	23A601112 Bomba hidraulica		UND	1	\$16,231,923.00	\$3,084,065.37	\$19,315,988.37	\$11,367,524.40	\$2,159,829.64	\$13,527,354.04	\$13,826,131.00	\$2,626,964.89	\$16,453,095.89	\$13,808,526.13	\$16,432,146.10
327	23B6211501 Motor direccion		UND	1	\$8,300,361.96	\$1,577,068.77	\$9,877,430.73	\$14,448,491.00	\$2,745,213.29	\$17,193,704.29	\$9,844,015.00	\$1,870,362.85	\$11,714,377.85	\$10,864,289.32	\$12,928,504.29
328	01580-13024 Tuercas carraca pala		UND	1	\$64,374.84	\$12,231.22	\$76,606.06	\$140,606.00	\$26,715.14	\$167,321.14	\$73,792.00	\$14,020.48	\$87,812.48	\$92,924.28	\$110,579.89
329	Rodamientos arranque		UND	1	\$125,711.00	\$23,885.09	\$149,596.09	\$92,961.36	\$17,662.66	\$110,624.02	\$103,825.00	\$19,726.75	\$123,551.75	\$107,499.12	\$127,923.95
330	Escobillas arranque		UND	1	\$210,380.00	\$39,972.20	\$250,352.20	\$350,519.00	\$66,598.61	\$417,117.61	\$195,574.32	\$37,159.12	\$232,733.44	\$252,157.77	\$300,067.75
331	Guaya para apagador		UND	1	\$769,381.00	\$146,182.39	\$915,563.39	\$1,212,254.00	\$230,328.26	\$1,442,582.26	\$519,281.64	\$98,663.51	\$617,945.15	\$833,638.88	\$992,030.27
332	Bombillo halogeno 12v		UND	1	\$98,204.00	\$18,658.76	\$116,862.76	\$146,745.00	\$27,881.55	\$174,626.55	\$80,587.44	\$15,311.61	\$95,899.05	\$108,512.15	\$129,129.45
333	Barra cromada 35mmx36cm		UND	1	\$2,693,909.00	\$511,842.71	\$3,205,751.71	\$2,799,446.00	\$531,894.74	\$3,331,340.74	\$1,928,913.48	\$366,493.56	\$2,295,407.04	\$2,474,089.49	\$2,944,166.50
334	Empaquetadura del regulador y compensador de la bomba de inyeccion		UND	1	\$1,137,115.00	\$216,051.85	\$1,353,166.85	\$2,073,561.00	\$393,976.59	\$2,467,537.59	\$840,111.48	\$159,621.18	\$999,732.66	\$1,350,262.49	\$1,606,812.37
335	K0700015290 Oring		UND	1	\$154,985.04	\$29,447.16	\$184,432.20	\$169,923.00	\$32,285.37	\$202,208.37	\$272,418.00	\$51,759.42	\$324,177.42	\$199,108.68	\$236,939.33
336	K0700015310 oring		UND	1	\$240,484.00	\$45,691.96	\$286,175.96	\$131,438.88	\$24,973.39	\$156,412.27	\$171,906.00	\$32,662.14	\$204,568.14	\$181,276.29	\$215,718.79
337	K0406511254 snap ring		UND	1	\$78,530.04	\$14,920.71	\$93,450.75	\$115,112.00	\$21,871.28	\$136,983.28	\$97,187.00	\$18,465.53	\$115,652.53	\$96,943.01	\$115,362.19
338	K0604006214 rodamiento		UND	1	\$384,250.00	\$73,007.50	\$457,257.50	\$296,911.44							

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS		VR. UNITARIO SIN IVA			IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA
	DESCRIPCION															
349	Chapa externa cromada con llaves puerta derecha			UND	1	\$2,375,366.00	\$451,319.54	\$2,826,685.54	\$876,145.68	\$166,467.68	\$1,042,613.36	\$1,288,939.00	\$244,898.41	\$1,533,837.41	\$1,513,483.56	\$1,801,045.44
350	Chapa externa cromada con llaves puerta izquierda			UND	1	\$1,020,282.00	\$193,853.58	\$1,214,135.58	\$753,995.52	\$143,259.15	\$897,254.67	\$1,830,789.00	\$347,849.91	\$2,178,638.91	\$1,201,688.84	\$1,430,009.72
351	BARRA DIRECCION TRANSVERSAL			UND	1	\$10,719,439.00	\$2,036,693.41	\$12,756,132.41	\$12,782,374.00	\$2,428,651.06	\$15,211,025.06	\$8,372,723.40	\$1,590,817.45	\$9,963,540.85	\$10,624,845.47	\$12,643,566.11
352	Anillo de compresion y empaques externos turbo			UND	1	\$3,750,756.00	\$712,643.64	\$4,463,399.64	\$1,999,193.00	\$379,846.67	\$2,379,039.67	\$1,721,314.80	\$327,049.81	\$2,048,364.61	\$2,490,421.27	\$2,963,601.31
	MANO DE OBRA															
	DESCRIPCION			UNIDAD	CANT											
353	Mantenimiento preventivo 250 horas			UND	1	\$1,091,502.00	\$207,385.38	\$1,298,887.38	\$709,037.00	\$134,717.03	\$843,754.03	\$686,034.00	\$130,346.46	\$816,380.46	\$828,857.67	\$986,340.62
354	Mantenimiento preventivo 500 horas			UND	1	\$550,284.48	\$104,554.05	\$654,838.53	\$1,154,932.00	\$219,437.08	\$1,374,369.08	\$754,891.00	\$143,429.29	\$898,320.29	\$820,035.83	\$975,842.63
355	Mantenimiento preventivo 1000 horas			UND	1	\$736,515.00	\$139,937.85	\$876,452.85	\$933,283.00	\$177,323.77	\$1,110,606.77	\$733,349.88	\$139,336.48	\$872,686.36	\$801,049.29	\$953,248.66
356	Mantenimiento preventivo 2000 horas			UND	1	\$684,897.84	\$130,130.59	\$815,028.43	\$1,020,748.00	\$193,942.12	\$1,214,690.12	\$689,577.00	\$131,019.63	\$820,596.63	\$798,407.61	\$950,105.06
357	Desmonte y montaje de motor			UND	1	\$1,810,989.00	\$344,087.91	\$2,155,076.91	\$1,177,795.00	\$223,781.05	\$1,401,576.05	\$831,874.32	\$158,056.12	\$989,930.44	\$1,273,552.77	\$1,515,527.80
358	M.O. reparación general incluye trabajo de mecanica y rectificadora			GLOBAL	1	\$6,561,686.52	\$1,246,720.44	\$7,808,406.96	\$11,029,961.00	\$2,095,692.59	\$13,125,653.59	\$7,191,760.00	\$1,366,434.40	\$8,558,194.40	\$8,261,135.84	\$9,830,751.65
359	Desmontar y montar soporte de motor (un solo)			UND	1	\$3,523,340.88	\$669,434.77	\$4,192,775.65	\$4,049,407.00	\$769,387.33	\$4,818,794.33	\$4,632,557.00	\$880,185.83	\$5,512,742.83	\$4,068,434.96	\$4,841,437.60
360	Desmontar y montar guaya de control de cambios			UND	1	\$216,590.40	\$41,152.18	\$257,742.58	\$296,438.00	\$56,323.22	\$352,761.22	\$441,739.00	\$83,930.41	\$525,669.41	\$318,255.80	\$378,724.40
361	Desmontar y montar guaya de control de avance			UND	1	\$268,119.00	\$50,942.61	\$319,061.61	\$387,473.00	\$73,619.87	\$461,092.87	\$293,472.00	\$55,759.68	\$349,231.68	\$316,354.67	\$376,462.05
362	Desmontar y montar guaya de freno de paqueo			UND	1	\$445,301.00	\$84,607.19	\$529,908.19	\$298,959.00	\$56,802.21	\$355,761.21	\$254,748.96	\$48,402.30	\$303,151.26	\$333,002.99	\$396,273.55
363	Desmontar y montar Cilindro de freno para cambio de sellos			UND	1	\$1,216,559.00	\$231,146.21	\$1,447,705.21	\$764,602.00	\$145,274.38	\$909,876.38	\$615,875.40	\$117,016.33	\$732,891.73	\$865,678.80	\$1,030,157.77
364	los frenos			UND	1	\$2,748,413.00	\$522,198.47	\$3,270,611.47	\$1,882,296.72	\$357,636.38	\$2,239,933.10	\$5,335,639.00	\$1,013,771.41	\$6,349,410.41	\$3,322,116.24	\$3,953,318.33
365	Desmontar y montar bomba del pedal de freno			UND	1	\$584,319.00	\$111,020.61	\$695,339.61	\$368,448.00	\$70,005.22	\$438,453.12	\$565,522.40	\$69,449.26	\$434,971.66	\$439,429.80	\$522,921.46
366	Desmontar y montar de bombas de freno			UND	1	\$766,428.00	\$145,621.32	\$912,049.32	\$1,131,449.00	\$214,975.31	\$1,346,424.31	\$529,956.00	\$100,691.64	\$630,647.64	\$809,277.67	\$963,040.42
367	Cambio de empaquetadura bomba de freno			UND	1	\$608,490.00	\$115,613.10	\$724,103.10	\$510,346.00	\$96,965.74	\$607,311.74	\$447,905.16	\$85,101.98	\$533,007.14	\$522,247.05	\$621,473.99
368	Desmonte freno de seguridad para cambio de bandas y resortes			UND	1	\$1,289,008.00	\$244,911.52	\$1,533,919.52	\$513,232.20	\$97,514.12	\$610,746.32	\$725,262.00	\$137,799.78	\$863,061.78	\$842,500.73	\$1,002,575.87
369	Remachada de bandas de freno			UND	1	\$1,301,053.00	\$247,200.07	\$1,548,253.07	\$1,205,474.04	\$229,040.07	\$1,434,514.11	\$1,299,038.00	\$246,817.22	\$1,545,855.22	\$1,268,521.68	\$1,509,540.80
370	Cambio de empaque tapa valvulas motor			UND	1	\$845,126.00	\$160,573.94	\$1,005,699.94	\$1,238,245.00	\$235,266.55	\$1,473,511.55	\$705,560.40	\$134,056.48	\$839,616.88	\$929,643.80	\$1,106,276.12
371	Desmontar y montar piñon de ataque			UND	1	\$1,440,351.00	\$273,666.69	\$1,714,017.69	\$1,843,065.00	\$350,182.35	\$2,193,247.35	\$1,349,921.52	\$256,485.09	\$1,606,406.61	\$1,544,445.84	\$1,837,890.55
372	Desmontar y montar eje piñon de ataque			UND	1	\$1,399,905.00	\$265,981.95	\$1,665,886.95	\$1,296,708.00	\$246,374.52	\$1,543,082.52	\$1,081,558.44	\$205,496.10	\$1,287,054.54	\$1,259,390.48	\$1,498,674.67
373	discos sellos oring y partes afectadas			GLOBAL	1	\$3,432,593.88	\$652,192.84	\$4,084,786.72	\$7,412,648.00	\$1,408,403.12	\$8,821,051.12	\$4,674,242.00	\$888,105.98	\$5,562,347.98	\$5,173,161.29	\$6,156,061.94
374	Desmontar y montar turbo.			UND	1	\$691,728.00	\$131,428.32	\$823,156.32	\$1,167,509.00	\$221,826.71	\$1,389,335.71	\$667,580.04	\$126,840.21	\$794,420.25	\$842,272.35	\$1,002,304.09
375	Servicio de repacion general turbo incluye cambio de partes afectadas			UND	1	\$5,548,554.00	\$1,054,225.26	\$6,602,779.26	\$4,701,987.00	\$893,377.53	\$5,595,364.53	\$6,500,805.00	\$1,235,152.95	\$7,735,957.95	\$5,583,782.00	\$6,644,700.58
376	Desmontar y montar terminal de direccion (un solo lado)			UND	1	\$525,291.00	\$99,805.29	\$625,096.29	\$483,108.12	\$91,790.54	\$574,898.66	\$527,864.00	\$100,294.16	\$628,158.16	\$512,087.71	\$609,384.37
377	Desmontar y montar eje sproket mando final (uno lado)			UND	1	\$1,041,568.00	\$197,897.92	\$1,239,465.92	\$1,204,703.00	\$228,893.57	\$1,433,596.57	\$753,617.32	\$143,187.33	\$896,804.85	\$999,962.84	\$1,189,955.78
378	Desmontar y montar sproket tandem (uno lado)			UND	1	\$1,104,309.00	\$209,818.71	\$1,314,127.71	\$1,680,085.00	\$319,216.15	\$1,999,301.15	\$848,936.88	\$161,298.01	\$1,010,234.89	\$1,211,110.29	\$1,441,221.25
379	Desmontar y montar Mando final para cambio de empaquetadura y sello			UND	1	\$2,061,103.00	\$391,609.57	\$2,452,712.57	\$1,342,614.24	\$255,096.71	\$1,597,710.95	\$1,603,772.00	\$304,716.68	\$1,908,488.68	\$1,669,163.08	\$1,986,304.07
380	Desmontar y montar cadena tandem (un solo Lado)			UND	1	\$1,051,776.72	\$199,837.58	\$1,251,614.30	\$1,156,282.00	\$219,693.58	\$1,375,975.58	\$1,644,112.00	\$312,381.28	\$1,956,493.28	\$1,284,056.91	\$1,528,027.72
381	empaquetadura			UND	1	\$775,372.00	\$147,320.68	\$922,692.68	\$1,411,132.00	\$268,115.08	\$1,679,247.08	\$642,575.88	\$122,089.42	\$764,665.30	\$943,026.63	\$1,122,201.69
382	empaquetadura			UND	1	\$644,334.12	\$122,423.48	\$766,757.60	\$714,228.00	\$135,703.32	\$849,931.32	\$772,026.00	\$146,684.94	\$918,710.94	\$710,196.04	\$845,133.29
383	cambio de empaquetadura			UND	1	\$1,016,146.00	\$193,067.74	\$1,209,213.74	\$604,151.00	\$114,788.69	\$718,939.69	\$562,445.64	\$106,864.67	\$669,310.31	\$727,580.88	\$865,821.25
384	empaquetadura			UND	1	\$1,794,190.00	\$340,896.10	\$2,135,086.10	\$960,607.44	\$182,515.41	\$1,143,122.85	\$966,955.00	\$183,721.45	\$1,150,676.45	\$1,240,584.15	\$1,476,295.13
385	empaquetadura			UND	1	\$946,324.00	\$179,801.56	\$1,126,125.56	\$738,265.68	\$140,270.48	\$878,536.16	\$1,835,132.00	\$348,675.08	\$2,183,807.08	\$1,173,240.56	\$1,396,156.27
386	cambio de empaquetadura			UND	1	\$592,169.00	\$112,512.11	\$704,681.11	\$1,183,245.00	\$224,816.55	\$1,408,061.55	\$472,544.28	\$89,783.41	\$562,327.69	\$749,319.43	\$891,690.12
387	Desmontar y montar carcasa de distribucion motor			UND	1	\$890,305.00	\$169,157.95	\$1,059,462.95	\$568,851.00	\$108,081.69	\$676,932.69	\$540,751.32	\$102,742.75	\$643,494.07	\$666,635.77	\$793,296.57
388	Desmontar y montar servotransmission completa			UND	1	\$649,816.92	\$123,465.21	\$773,282.13	\$1,466,961.00	\$278,722.59	\$1,745,683.59	\$893,148.00	\$169,698.12	\$1,062,846.12	\$1,003,308.64	\$1,193,937.28
389	en mal estado y ajuste			GLOBAL	1	\$11,305,212.00	\$2,147,990.28	\$13,453,202.28	\$6,681,285.36	\$1,269,444.22	\$7,950,729.58	\$7,866,597.00	\$1,494,653.43	\$9,361,250.43	\$8,617,698.12	\$10,255,060.76
390	estado			GLOBAL	1	\$499,509.00	\$94,906.71	\$594,415.71	\$564,417.00	\$107,239.23	\$671,656.23	\$339,611.04	\$64,526.10	\$404,137.14	\$467,845.68	\$556,736.36
391	direccion (divisora) para cambio de empaquetadura			UND	1	\$6,209,722.08	\$1,179,847.20	\$7,389,569.28	\$8,500,061.00	\$1,615,011.59	\$10,115,072.59	\$8,959,566.00	\$1,702,317.54	\$10,661,883.54	\$7,889,783.03	\$9,388,641.80
392	empaquetadura			UND	1	\$835,249.68	\$158,697.44	\$993,947.12	\$1,167,718.00	\$221,866.42	\$1,389,584.42	\$1,400,392.00	\$266,074.48	\$1,666,466.48	\$1,134,453.23	\$1,349,999.34
393	Cambio de crucetas cardan			UND	1	\$659,830.00	\$125,367.70	\$785,197.70	\$531,893.16	\$101,069.70	\$632,952.86	\$1,232,994.00	\$234,268.86	\$1,467,262.86	\$808,239.05	\$961,804.47
394	Desmontar y montar compresor de aire para cambio de empaques y sellos			UND	1	\$506,699.00	\$96,272.81	\$602,971.81	\$122,791.30	\$769,061.30	\$424,194.48	\$80,596.95	\$504,791.43	\$525,721.16	\$625,608.18	\$748,953.20
395	trabajos de rectificadora.			GLOBAL	1	\$536,889.00	\$102,008.91	\$638,897.91	\$757,573.00	\$143,938.87	\$901,511.87	\$376,145.28	\$71,467.60	\$447,612.88	\$556,869.09	\$662,674.22
396	Desmontar y montar bomba de agua para reparacion			UND	1	\$863,796.24	\$164,121.29	\$1,027,917.53	\$1,049,729.00	\$199,448.51	\$1,249,177.51	\$1,141,566.00	\$216,897.54	\$1,358,463.54	\$1,018,363.75	\$1,211,852.86
397	Desmontar y montar inyector motor			UND	1	\$459,676.08	\$87,338.46	\$547,014.54	\$531,886.00	\$101,058.34	\$632,944.34	\$929,940.00	\$1,106,628.60	\$640,500.69	\$762,195.83	\$896,985.24
398	de laboratorio			GLOBAL	1	\$3,956,788.00	\$751,789.72	\$4,708,577.72	\$3,047,869.80	\$579,095.26	\$3,626,965.06	\$6,337,459.00	\$1,204,117.21	\$7,541,576.21	\$4,447,372.27	\$5,292,373.00
399	aceite motor hidraulico etc) (uno solo)			UND	1	\$1,120,882.00	\$212,967.58	\$1,333,849.58	\$842,511.24	\$160,077.14	\$1,002,588.38	\$1,553,212.00	\$295,110.28	\$1,848,322.28	\$1,172,201.75	\$1,394,920.58
400	Lavadas y engrasadas			UND	1	\$879,866.64	\$167,174.66</									

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO			
	REPUESTOS					VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA		
	DESCRIPCION																	
406	Mantenimiento De Motor: Cambio De Aceite Cambio De Filtros					UND	1	\$1,500,435.00	\$285,082.65	\$1,785,517.65	\$907,028.70	\$172,335.45	\$1,079,364.15	\$1,273,612.00	\$241,986.28	\$1,515,598.28	\$1,227,025.23	\$1,460,160.03
407	Mantenimiento Del Sistema Hidráulico: Cambio De Filtros Y Aceite Hidráulico					UND	1	\$2,846,145.00	\$540,767.55	\$3,386,912.55	\$1,774,983.90	\$337,246.94	\$2,112,230.84	\$1,926,168.00	\$365,971.92	\$2,292,139.92	\$2,182,432.30	\$2,597,094.44
408	Reparación de piñón de ataque					UND	1	\$1,489,447.00	\$282,994.93	\$1,772,441.93	\$1,252,391.76	\$237,954.43	\$1,490,346.19	\$1,796,633.00	\$341,360.27	\$2,137,993.27	\$1,512,823.92	\$1,800,260.46
409	Desmonte y montar termostato					UND	1	\$612,346.00	\$116,345.74	\$728,691.74	\$256,184.64	\$48,675.08	\$304,859.72	\$325,317.00	\$61,810.23	\$387,127.23	\$397,949.21	\$473,559.56
410	Desarme motor de giro tomamesa para reparacion					UND	1	\$791,652.24	\$150,413.93	\$942,066.17	\$1,164,986.00	\$221,347.34	\$1,386,333.34	\$2,109,691.00	\$400,841.29	\$2,510,532.29	\$1,355,443.08	\$1,612,977.27
411	Cambio relay de encendido					UND	1	\$2,179,440.00	\$414,093.60	\$2,593,533.60	\$3,224,691.00	\$612,691.29	\$3,837,382.29	\$1,820,578.32	\$345,909.88	\$2,166,488.20	\$2,408,236.44	\$2,865,801.36
412	M.O. instalación de vidrios cabina (uno solo)					UND	1	\$228,516.12	\$43,418.06	\$271,934.18	\$563,185.00	\$107,005.15	\$670,190.15	\$291,531.00	\$55,390.89	\$346,921.89	\$361,077.37	\$429,682.07
413	Desmontar y montar motor de arranque para reparacion					UND	1	\$149,676.30	\$28,438.50	\$178,114.80	\$351,088.00	\$66,706.72	\$417,794.72	\$178,170.00	\$33,852.30	\$212,022.30	\$226,311.43	\$269,310.61
414	Desmontar y montar apagador electrico motor					UND	1	\$158,928.00	\$30,196.32	\$189,124.32	\$153,745.20	\$29,211.59	\$182,956.79	\$226,694.00	\$43,071.86	\$269,765.86	\$179,789.07	\$213,948.99
415	Desmontar radiador					UND	1	\$205,291.80	\$39,005.44	\$244,297.24	\$249,198.00	\$47,347.62	\$296,545.62	\$246,947.00	\$46,919.93	\$293,866.93	\$233,812.27	\$278,236.60
416	Lavado de tandems					UND	1	\$569,345.00	\$108,175.55	\$677,520.55	\$628,118.00	\$119,342.42	\$747,460.42	\$381,227.76	\$72,433.27	\$453,661.03	\$526,230.25	\$626,214.00
417	Desmontar mangueras enfriador aceite para cambio					UND	1	\$359,918.28	\$68,384.47	\$428,302.75	\$369,656.00	\$70,234.64	\$439,890.64	\$684,755.00	\$130,103.45	\$814,858.45	\$471,443.09	\$561,017.28
418	Desmonte base servo para revision de piñones y rodamientos					UND	1	\$2,315,934.00	\$440,027.46	\$2,755,961.46	\$1,222,819.00	\$232,335.61	\$1,455,154.61	\$1,056,133.44	\$200,665.35	\$1,256,798.79	\$1,531,628.81	\$1,822,638.29
419	Lavado de tanque de combustible					UND	1	\$514,283.00	\$97,713.77	\$611,996.77	\$429,634.44	\$81,630.54	\$511,264.98	\$779,081.00	\$148,025.39	\$927,106.39	\$574,332.81	\$683,456.05
420	Desmontar enfriador de aceite para cambio de empaques					UND	1	\$349,863.48	\$66,474.06	\$416,337.54	\$477,259.00	\$90,679.21	\$567,938.21	\$876,547.00	\$166,543.93	\$1,043,090.93	\$567,889.83	\$675,788.89
421	Mantenimiento general radiador					UND	1	\$547,940.88	\$104,108.77	\$652,049.65	\$1,244,349.00	\$236,426.31	\$1,480,775.31	\$723,729.00	\$137,508.51	\$861,237.51	\$838,672.96	\$998,020.82
422	Mantenimiento general enfriador					UND	1	\$753,697.00	\$143,202.43	\$896,899.43	\$1,492,848.00	\$283,641.12	\$1,776,489.12	\$668,220.48	\$126,961.89	\$795,182.37	\$971,588.49	\$1,156,190.31
423	Desmontar manguera de radiador para cambio					UND	1	\$3,580,045.00	\$680,208.55	\$4,260,253.55	\$1,929,033.00	\$366,516.27	\$2,295,549.27	\$1,320,748.20	\$250,942.16	\$1,571,690.36	\$2,276,608.73	\$2,709,164.39
424	Cambio de bombin					UND	1	\$308,237.76	\$58,565.17	\$366,802.93	\$707,476.00	\$134,420.44	\$841,896.44	\$370,333.00	\$70,363.27	\$440,696.27	\$462,015.59	\$549,798.55
425	Desmontar strip para cambio y calibracion tomamesa					UND	1	\$1,304,047.00	\$247,768.93	\$1,551,815.93	\$1,288,915.00	\$244,893.85	\$1,533,808.85	\$1,216,738.08	\$231,180.24	\$1,447,918.32	\$1,269,900.03	\$1,511,181.03
426	Desmontar carracas (un solo lado)					UND	1	\$1,115,049.96	\$211,859.49	\$1,326,909.45	\$1,540,299.00	\$292,656.81	\$1,832,955.81	\$1,842,323.00	\$350,041.37	\$2,192,364.37	\$1,499,223.99	\$1,784,076.54
427	empaquetadura y partes afectadas					UND	1	\$4,177,158.84	\$793,660.18	\$4,970,819.02	\$5,649,320.00	\$1,073,370.80	\$6,722,690.80	\$9,166,297.00	\$1,741,596.43	\$10,907,893.43	\$6,330,925.28	\$7,533,801.08
428	empaquetadura y partes afectadas					UND	1	\$3,481,737.00	\$661,530.03	\$4,143,267.03	\$2,972,054.52	\$564,690.36	\$3,536,744.88	\$4,945,865.00	\$939,714.35	\$5,885,579.35	\$3,799,885.51	\$4,521,863.75
429	Limpieza sistema hidraulico					UND	1	\$2,295,904.00	\$436,221.76	\$2,732,125.76	\$1,743,232.68	\$331,214.21	\$2,074,446.89	\$2,753,580.00	\$523,180.20	\$3,276,760.20	\$2,264,238.89	\$2,694,444.28
430	Desmontar pechera					UND	1	\$479,093.00	\$91,027.67	\$570,120.67	\$380,280.60	\$72,253.31	\$452,533.91	\$888,745.00	\$168,861.55	\$1,057,606.55	\$582,706.20	\$693,420.38
431	Desmontar bomba de inyeccion					UND	1	\$1,239,902.00	\$235,581.38	\$1,475,483.38	\$648,345.90	\$123,185.72	\$771,531.62	\$729,230.00	\$138,553.70	\$867,783.70	\$872,492.63	\$1,038,266.23
432	laboratorio					GLOBAL	1	\$7,607,721.00	\$1,445,466.99	\$9,053,187.99	\$12,496,118.00	\$2,374,262.42	\$14,870,380.42	\$6,191,802.72	\$1,176,442.52	\$7,368,245.24	\$8,765,213.91	\$10,430,604.55
433	Desmontar y montar guaya apagador electrico motor					UND	1	\$869,443.00	\$165,194.17	\$1,034,637.17	\$519,990.00	\$98,798.10	\$618,788.10	\$455,060.52	\$86,461.50	\$541,522.02	\$614,831.17	\$731,649.10
434	Reparación de barra transversal de dirección					UND	1	\$465,286.32	\$88,404.40	\$553,690.72	\$584,194.00	\$110,996.86	\$695,190.86	\$691,400.00	\$131,366.00	\$822,766.00	\$580,293.44	\$690,549.19
435	Lavado interno tandems					UND	1	\$727,246.00	\$138,176.74	\$865,422.74	\$399,828.00	\$75,967.32	\$475,795.32	\$344,163.60	\$65,391.08	\$409,554.68	\$490,412.53	\$583,590.91
436	Desmonte soportes riel					UND	1	\$1,418,584.00	\$269,530.96	\$1,688,114.96	\$486,779.76	\$92,488.15	\$579,267.91	\$728,997.00	\$138,509.43	\$867,506.43	\$878,120.25	\$1,044,963.10
437	Desmonte y montar bomba de transferencia					UND	1	\$899,308.00	\$170,868.52	\$1,070,176.52	\$1,684,193.00	\$319,996.67	\$2,004,189.67	\$721,974.60	\$137,175.17	\$859,149.77	\$1,101,825.20	\$1,311,171.99
438	Desmonte mangueras para lavado y limpieza sistema inyeccion					UND	1	\$1,535,729.00	\$291,788.51	\$1,827,517.51	\$1,077,837.00	\$204,789.03	\$1,282,626.03	\$946,356.48	\$179,807.73	\$1,126,164.21	\$1,186,640.83	\$1,412,102.58
439	Desmontar pala					UND	1	\$923,705.00	\$175,503.95	\$1,099,208.95	\$740,642.04	\$140,721.99	\$881,364.03	\$939,068.00	\$178,422.92	\$1,117,490.92	\$867,805.01	\$1,032,687.97
440	Mantenimiento general para cambio de filtros y aceites					UND	1	\$1,231,881.00	\$234,057.39	\$1,465,938.39	\$901,680.00	\$171,319.00	\$1,072,999.00	\$616,865.10	\$117,204.37	\$734,069.47	\$916,880.70	\$1,091,002.35
441	Cambio de strips pala					UND	1	\$602,584.56	\$114,491.07	\$717,075.63	\$1,516,955.00	\$288,221.45	\$1,805,176.45	\$849,601.00	\$161,424.19	\$1,011,025.19	\$989,713.52	\$1,177,759.09
442	Extracción de mordazas					UND	1	\$272,481.48	\$51,771.48	\$324,252.96	\$291,396.00	\$55,365.24	\$346,761.24	\$577,702.00	\$109,763.38	\$687,465.38	\$380,526.49	\$452,826.53
443	Fabricación de fusibles tornada 5 juegos x 2 und					UND	1	\$573,009.00	\$108,871.71	\$681,880.71	\$692,154.00	\$131,509.26	\$823,663.26	\$388,407.24	\$73,797.38	\$462,204.62	\$551,190.08	\$655,916.20
444	Servicio de grua en camabaja incluido cabezote precio por kilometros					UND	1	\$56,030.04	\$10,645.71	\$66,675.75	\$61,117.00	\$11,612.23	\$72,729.23	\$80,237.00	\$15,245.03	\$95,482.03	\$65,794.68	\$78,295.67
	RETREOEXCAVADORAS CATREPIILLAR 416 E																	
	REPUESTOS																	
	DESCRIPCION					UNIDAD	CANT											
445	Manguera turbo filtro de aire					UND	1	\$654,742.00	\$124,400.98	\$779,142.98	\$602,826.00	\$114,536.94	\$717,362.94	\$572,057.95	\$108,691.01	\$680,748.96	\$609,875.32	\$725,751.63
446	Filtro aire externo 2934053 ORIGINAL					UND	1	\$2,521,708.00	\$479,124.52	\$3,000,832.52	\$1,391,644.00	\$264,412.36	\$1,656,056.36	\$1,148,130.85	\$218,144.86	\$1,366,275.71	\$1,687,160.95	\$2,007,721.53
447	Filtro aire interno 2277449 ORIGINAL					UND	1	\$1,014,196.14	\$192,697.27	\$1,206,893.41	\$1,220,059.00	\$231,811.21	\$1,451,870.21	\$2,057,944.00	\$391,009.36	\$2,448,953.36	\$1,430,733.05	\$1,702,572.33
448	Filtro de aceite 7W2326 ORIGINAL					UND	1	\$445,909.46	\$84,722.80	\$530,632.26	\$733,929.00	\$139,446.51	\$873,375.51	\$529,121.00	\$100,532.99	\$629,653.99	\$569,653.15	\$677,887.25
449	Filtro de combustible 1561200 ORIGINAL					UND	1	\$816,342.00	\$155,104.98	\$971,446.98	\$727,557.80	\$138,235.98	\$865,793.78	\$1,390,510.00	\$264,196.90	\$1,654,706.90	\$978,136.60	\$1,163,982.55
450	Filtro Separador 3619554 ORIGINAL					UND	1	\$1,599,421.00	\$303,889.99	\$1,903,310.99	\$3,078,176.00	\$584,853.44	\$3,663,029.44	\$1,067,284.35	\$202,784.03	\$1,270,068.38	\$1,914,960.45	\$2,278,802.94
451	Filtro hidraulico 3621163 ORIGINAL					UND	1	\$1,071,854.37	\$203,652.33	\$1,275,506.70	\$1,161,822.00	\$220,746.18	\$1,382,568.18	\$2,293,006.00	\$435,671.14	\$2,728,677.14	\$1,508,894.12	\$1,795,584.01
452	Filtro servo transmisión 1194740 ORIGINAL					UND	1	\$1,081,253.00	\$205,438.07	\$1,286,691.07	\$872,921.61	\$165,855.11	\$1,038,776.72	\$1,985,392.00	\$377,224.48	\$2,362,616.48	\$1,313,188.87	\$1,562,694.76
453	Indicador filtro aire 2601336					UND	1	\$550,127.00	\$104,524.13	\$654,651.13	\$429,726.60	\$81,648.05	\$511,374.65	\$1,059,827.00	\$201,367.13	\$1,261,194.13	\$679,893.53	\$809,073.30
454	Tarro completo filtro de aire 2341891					UND	1	\$900,776.00	\$171,147.44	\$1,071,923.44	\$608,070.00	\$115,533.30	\$723,603.30	\$443,540.16	\$94,272.63	\$527,812.79	\$650,795.39	\$774,446.51
455	1493516 Base filtro combustible					UND	1	\$832,182.00	\$158,114.58	\$990,296.58	\$1,642,755.00	\$312,123.45	\$1,954,878.45	\$763,591.45	\$145,082.38	\$908,673.83	\$1,079,509.48	\$1,284,616.29
456	Cilindro de dirección con terminal 2145097					UND	1	\$6,036,537.96	\$1,146,942.21	\$7,183,480.17	\$8,011,430.91	\$1,522,171.70	\$9,533,601.70	\$13,551,189.00	\$2,536,725.91	\$15,887,914.91	\$9,133,052.32	\$10,868,332.26
457	Empaquetadura cilindro hidraulico boom					UND	1	\$1,846,564.00	\$350,847.16	\$2,197,411.16	\$1,009,703.00							

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO			
	REPUESTOS					VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA		
	DESCRIPCION																	
462	Empaquetadura cilindro hidraulico estabilizadora					UND	1	\$993,936.96	\$188,848.02	\$1,182,784.98	\$2,002,819.00	\$380,535.61	\$2,383,354.61	\$1,299,993.00	\$246,998.67	\$1,546,991.67	\$1,432,249.65	\$1,704,377.09
463	Empaquetadura cilindro hidraulico movimiento lateral boom (gemelos)					UND	1	\$1,548,423.00	\$294,200.37	\$1,842,623.37	\$2,386,790.00	\$453,490.10	\$2,840,280.10	\$1,148,054.76	\$218,130.40	\$1,366,185.16	\$1,694,422.59	\$2,016,362.88
464	Empaquetadura cilindro hidraulico de direccíon					UND	1	\$2,585,173.00	\$491,182.87	\$3,076,355.87	\$1,067,149.44	\$202,758.99	\$1,269,907.83	\$1,597,309.00	\$303,488.71	\$1,900,797.71	\$1,749,877.15	\$2,082,353.80
465	Barra cromada cilindro estabilizador					UND	1	\$4,909,849.00	\$932,871.31	\$5,842,720.31	\$3,926,888.28	\$746,108.77	\$4,672,997.05	\$7,734,125.00	\$1,469,483.75	\$9,203,608.75	\$5,523,620.76	\$6,573,108.70
466	Pistón 225-5437					UND	1	\$2,398,665.60	\$455,746.46	\$2,854,412.06	\$3,209,727.00	\$609,848.13	\$3,819,575.13	\$4,519,022.00	\$858,614.18	\$5,377,636.18	\$3,375,804.87	\$4,017,207.79
467	Juego de anillos 225-5436					JUEGO	1	\$4,847,805.00	\$921,082.95	\$5,768,887.95	\$2,487,547.80	\$472,634.08	\$2,960,181.88	\$3,414,838.00	\$648,819.22	\$4,063,657.22	\$3,583,396.93	\$4,264,252.35
468	Guías válvulas 1850882					UND	1	\$1,075,372.00	\$204,320.68	\$1,279,692.68	\$924,851.16	\$175,721.72	\$1,100,572.88	\$2,039,052.00	\$387,419.88	\$2,426,471.88	\$1,346,425.05	\$1,602,245.81
469	Bujes de levas 232-7440					UND	1	\$1,209,208.00	\$229,749.52	\$1,438,957.52	\$680,132.88	\$129,225.25	\$809,358.13	\$860,096.00	\$163,418.24	\$1,023,514.24	\$916,478.96	\$1,090,609.96
470	Válvula admisión 2255495					UND	1	\$1,017,062.64	\$193,241.90	\$1,210,304.54	\$1,038,500.00	\$197,315.00	\$1,235,815.00	\$1,980,957.00	\$376,381.83	\$2,357,338.83	\$1,345,506.55	\$1,601,152.79
471	Válvula de escape 2255499					UND	1	\$1,538,689.00	\$292,350.91	\$1,831,039.91	\$1,097,002.08	\$208,430.40	\$1,305,432.48	\$1,321,016.00	\$250,993.04	\$1,572,009.04	\$1,318,902.36	\$1,569,493.81
472	Asientos válvulas admisión					UND	1	\$701,286.00	\$133,244.34	\$834,530.34	\$612,802.44	\$116,432.46	\$729,234.90	\$874,928.00	\$166,236.32	\$1,041,164.32	\$729,672.15	\$868,309.85
473	Asientos válvulas Escape					UND	1	\$908,863.00	\$172,683.97	\$1,081,546.97	\$725,976.72	\$137,935.58	\$863,912.30	\$773,134.00	\$146,895.46	\$920,029.46	\$802,657.91	\$955,162.91
474	1278987 Anillo pasador largo					UND	1	\$451,877.00	\$85,856.63	\$537,733.63	\$849,969.00	\$161,494.11	\$1,011,463.11	\$436,126.32	\$82,864.00	\$518,990.32	\$579,324.11	\$689,395.69
475	Juego casquetes de biela 0.10					JUEGO	1	\$1,765,641.00	\$335,471.79	\$2,101,112.79	\$1,359,417.00	\$258,289.23	\$1,617,706.23	\$988,378.56	\$187,791.93	\$1,176,170.49	\$1,371,145.52	\$1,631,663.17
476	Juego casquetes de bancad 0.10					JUEGO	1	\$1,446,068.00	\$274,752.92	\$1,720,820.92	\$2,511,594.00	\$477,202.86	\$2,988,796.86	\$1,218,618.36	\$231,537.49	\$1,450,155.85	\$1,725,426.79	\$2,053,257.88
477	Aro de levas 433A					UND	1	\$497,791.00	\$94,580.29	\$592,371.29	\$248,223.96	\$47,162.55	\$295,386.51	\$255,214.00	\$48,490.66	\$303,704.66	\$333,742.99	\$397,154.15
478	Guya freno de emergencia					UND	1	\$644,245.00	\$122,406.55	\$766,651.55	\$729,186.00	\$138,545.34	\$867,731.34	\$545,064.48	\$103,562.25	\$648,626.73	\$639,498.49	\$761,003.21
479	Guaya control de freno de parqueo					UND	1	\$653,547.60	\$124,174.04	\$777,721.64	\$855,182.00	\$167,000.00	\$1,017,666.58	\$1,210,750.00	\$230,042.50	\$1,440,792.50	\$906,493.20	\$1,078,726.91
480	Bomba de frenos 2061769					UND	1	\$5,185,834.00	\$985,308.46	\$6,171,142.46	\$2,625,572.16	\$498,888.71	\$3,124,430.87	\$3,614,125.00	\$686,683.75	\$4,300,808.75	\$3,808,510.39	\$4,532,127.36
481	Disco separador frenos 1990786					UND	1	\$798,335.64	\$151,683.77	\$950,019.41	\$929,298.00	\$176,566.62	\$1,105,864.62	\$1,325,874.00	\$251,916.06	\$1,577,790.06	\$1,017,835.88	\$1,211,224.70
482	Disco de fricción frenos 2385291					UND	1	\$634,834.44	\$120,618.54	\$755,452.98	\$1,250,006.00	\$237,501.14	\$1,487,507.14	\$705,900.00	\$134,121.00	\$840,021.00	\$863,580.15	\$1,027,660.37
483	1990759 sellos frenos					UND	1	\$418,192.00	\$79,456.48	\$497,648.48	\$273,316.00	\$51,930.04	\$325,246.04	\$232,817.40	\$44,235.31	\$277,052.71	\$308,108.47	\$366,649.08
484	1990700 sellos frenos					UND	1	\$294,906.00	\$56,032.14	\$350,938.14	\$278,137.44	\$52,846.11	\$330,983.55	\$533,347.00	\$101,335.93	\$634,682.93	\$368,796.81	\$438,868.21
485	Juego pastillas freno emergencia					JUEGO	1	\$2,217,909.00	\$421,402.71	\$2,639,311.71	\$1,113,652.80	\$211,594.03	\$1,325,246.83	\$1,428,728.00	\$271,458.32	\$1,700,186.32	\$1,586,763.27	\$1,888,248.29
486	Válvula de control bomba de pistones					UND	1	\$2,102,593.00	\$399,492.67	\$2,502,085.67	\$3,304,877.00	\$627,926.63	\$3,932,803.63	\$1,813,216.68	\$344,511.17	\$2,157,727.85	\$2,406,895.56	\$2,864,205.72
487	Rodamiento externo speed diferencial trasero					UND	1	\$1,373,657.00	\$260,994.83	\$1,634,651.83	\$666,645.48	\$126,662.64	\$793,308.12	\$933,879.00	\$177,437.01	\$1,111,316.01	\$991,393.83	\$1,179,758.65
488	Rodamiento interno speed diferencial trasero					UND	1	\$513,759.96	\$97,614.39	\$611,374.35	\$587,549.00	\$111,634.31	\$699,183.31	\$831,049.00	\$157,899.31	\$988,948.31	\$644,119.32	\$766,501.99
489	Rodamiento lateral diferencial trasero					UND	1	\$633,920.04	\$120,444.81	\$754,364.85	\$806,333.00	\$153,203.27	\$959,536.27	\$841,875.00	\$159,956.25	\$1,001,831.25	\$760,709.35	\$905,244.12
490	Rodamiento chanelas 3N4968					UND	1	\$1,260,453.00	\$239,486.07	\$1,499,939.07	\$973,010.88	\$184,872.07	\$1,157,882.95	\$1,050,540.00	\$199,602.60	\$1,250,142.60	\$1,094,667.96	\$1,302,654.87
491	Rodamiento grandes ruedas delanteras 3994731					UND	1	\$1,354,748.00	\$257,402.12	\$1,612,150.12	\$657,576.00	\$124,939.44	\$782,515.44	\$658,736.00	\$163,159.84	\$1,021,895.84	\$957,020.00	\$1,138,853.80
492	Rodamiento cubo rueda trasera					UND	1	\$1,192,934.00	\$226,657.46	\$1,419,591.46	\$446,896.08	\$84,910.26	\$531,806.34	\$668,947.00	\$127,099.93	\$796,046.93	\$769,592.36	\$915,814.91
493	Sensor de temperatura de combustible					UND	1	\$998,637.00	\$189,741.03	\$1,188,378.03	\$874,608.12	\$166,175.54	\$1,040,783.66	\$1,144,653.00	\$217,484.07	\$1,362,137.07	\$1,005,966.04	\$1,197,099.59
494	Interruptor de presion de aceite					UND	1	\$4,460,587.00	\$847,511.53	\$5,308,098.53	\$2,101,345.20	\$399,255.59	\$2,500,600.79	\$2,902,395.00	\$551,455.05	\$3,453,850.05	\$3,154,775.73	\$3,754,183.12
495	Interupto master baterías					UND	1	\$1,213,805.00	\$230,622.95	\$1,444,427.95	\$665,686.06	\$126,480.36	\$792,166.44	\$723,456.00	\$137,456.64	\$860,912.64	\$867,649.03	\$1,032,502.34
496	Interruptor multifuncion					UND	1	\$703,520.00	\$133,668.80	\$837,188.80	\$927,808.00	\$176,283.52	\$1,104,091.52	\$592,782.12	\$112,628.60	\$705,410.72	\$741,370.04	\$882,230.35
497	SENSOR DE PRESION DE ACEITE					UND	1	\$603,942.00	\$114,748.98	\$718,690.98	\$500,308.92	\$95,058.69	\$595,367.61	\$981,246.00	\$186,436.74	\$1,167,682.74	\$695,165.64	\$827,247.11
498	Switch encendido 1107887					UND	1	\$433,179.36	\$82,304.08	\$515,483.44	\$606,898.00	\$115,310.62	\$722,208.62	\$526,788.00	\$100,089.72	\$626,877.72	\$522,288.45	\$621,523.26
499	2374894 Switch presion aceite					UND	1	\$424,469.88	\$80,649.28	\$505,119.16	\$529,698.00	\$100,642.62	\$630,340.62	\$747,158.00	\$141,960.02	\$889,118.02	\$567,108.63	\$674,859.27
500	2358747 Sensor de temperatura					UND	1	\$730,329.00	\$138,762.51	\$869,091.51	\$990,614.00	\$188,216.66	\$1,178,830.66	\$582,924.24	\$110,755.61	\$693,679.85	\$767,955.75	\$913,867.34
501	Muffler					UND	1	\$2,723,555.00	\$517,475.45	\$3,241,030.45	\$2,433,714.12	\$462,405.68	\$2,896,119.80	\$2,576,251.00	\$489,487.69	\$3,065,738.69	\$2,577,840.04	\$3,067,629.65
502	Manguera superior radiador					UND	1	\$570,349.00	\$108,366.31	\$678,715.31	\$517,576.93	\$98,339.62	\$615,916.55	\$551,485.00	\$104,782.15	\$656,267.15	\$546,470.31	\$650,299.67
503	Manguera inferior radiador					UND	1	\$639,258.78	\$121,459.17	\$760,717.95	\$863,567.00	\$164,077.73	\$1,027,644.73	\$650,998.00	\$123,689.62	\$774,687.62	\$717,941.26	\$854,350.10
504	Empaque tapa de válvulas					UND	1	\$310,687.92	\$59,030.70	\$369,718.62	\$338,008.00	\$113,504.10	\$451,512.10	\$338,008.00	\$64,221.52	\$402,229.52	\$415,361.97	\$494,280.75
505	Empaque carter					UND	1	\$671,215.00	\$127,530.85	\$798,745.85	\$1,288,493.00	\$244,813.67	\$1,533,306.67	\$474,857.28	\$90,222.88	\$565,080.16	\$811,521.76	\$965,710.89
506	Empaque enfriador aceite de motor					UND	1	\$923,825.88	\$175,526.92	\$1,099,352.80	\$1,188,088.00	\$225,736.72	\$1,413,824.72	\$1,974,083.00	\$375,075.77	\$2,349,158.77	\$1,361,998.96	\$1,620,778.76
507	Carcasa volante motor (flywheel)					UND	1	\$9,413,441.00	\$1,788,553.79	\$11,201,994.79	\$8,118,005.04	\$1,542,420.96	\$9,660,426.00	\$10,296,028.00	\$1,956,245.32	\$12,252,273.32	\$9,275,824.68	\$11,038,231.37
508	Empaque tapa de distribucion motor					UND	1	\$2,343,096.00	\$445,188.24	\$2,788,284.24	\$1,207,477.44	\$229,420.71	\$1,436,898.15	\$324,302.64	\$2,031,158.64	\$1,752,476.48	\$2,085,447.01	\$2,460,893.48
509	Cremallera volante motor					UND	1	\$1,225,366.20	\$232,819.58	\$1,458,185.78	\$1,968,798.00	\$374,071.62	\$2,342,869.62	\$1,613,569.00	\$306,578.11	\$1,920,147.11	\$1,602,577.73	\$1,907,067.50
510	Kit de reparacion bomba hidraulica de pistones					UND	1	\$7,279,478.00	\$1,383,100.82	\$8,662,578.82	\$5,594,360.04	\$1,062,928.41	\$6,657,288.45	\$8,702,716.00	\$1,653,516.04	\$10,356,232.04	\$7,192,184.68	\$8,558,699.77
511	Kit empaquetadura banco de válvulas delantero					UND	1	\$6,151,740.00	\$1,168,830.60	\$7,320,570.60	\$3,384,052.20	\$642,969.92	\$4,027,022.12	\$3,731,530.00	\$716,590.70	\$4,488,120.70	\$4,435,774.07	\$5,278,571.14
512	Kit empaquetadura orbital					UND	1	\$1,056,934.80	\$200,817.61	\$1,257,752.41	\$1,460,607.00	\$277,515.33	\$1,738,122.33	\$2,609,212.00	\$3,104,962.28	\$3,104,962.28	\$1,708,917.93	\$2,033,612.34

ITEM	MOTONIVELADORA CATERPILLAR 120 K	UNIDAD	CANTIDAD	GRUPO ROBOYO S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION													
521	Retenedor sello diferencial delantero	UND	1	\$275,697.00	\$52,382.43	\$328,079.43	\$410,899.00	\$78,070.81	\$488,969.81	\$259,250.40	\$49,257.58	\$308,507.98	\$315,282.13	\$375,185.74
522	Perno rueda trasera	UND	1	\$239,186.00	\$45,445.34	\$284,631.34	\$348,132.00	\$66,145.08	\$414,277.08	\$192,273.12	\$36,531.89	\$228,805.01	\$259,863.71	\$309,237.81
523	Perno rueda delantera	UND	1	\$168,230.88	\$31,963.87	\$200,194.75	\$227,289.00	\$43,184.91	\$270,473.91	\$390,927.00	\$74,276.13	\$465,203.13	\$262,148.96	\$311,957.26
524	Tubo de superior de lubricacion turbo	UND	1	\$449,532.72	\$85,411.22	\$534,943.94	\$569,529.00	\$108,210.51	\$677,739.51	\$1,118,080.00	\$212,435.20	\$1,330,515.20	\$712,380.57	\$847,732.88
525	Tubo de inferior de lubricacion turbo	UND	1	\$535,634.00	\$101,770.46	\$637,404.46	\$388,448.00	\$73,805.12	\$462,253.12	\$373,975.56	\$71,055.36	\$445,030.92	\$432,685.85	\$514,896.17
526	Silenciador	UND	1	\$2,584,804.00	\$491,112.76	\$3,075,916.76	\$2,136,617.64	\$405,957.35	\$2,542,574.99	\$2,563,507.00	\$487,066.33	\$3,050,573.33	\$2,428,309.55	\$2,889,688.36
527	Exosto	UND	1	\$5,648,206.00	\$1,073,159.14	\$6,721,365.14	\$4,101,118.20	\$779,212.46	\$4,880,330.66	\$4,891,259.00	\$929,339.21	\$5,820,598.21	\$4,880,194.40	\$5,807,431.34
528	Enfocador radiador	UND	1	\$2,189,871.00	\$416,075.49	\$2,605,946.49	\$1,180,202.00	\$224,238.38	\$1,404,440.38	\$853,728.84	\$162,208.48	\$1,015,937.32	\$1,407,933.95	\$1,675,441.40
529	Radiador aceite hidraulico	UND	1	\$5,452,115.00	\$1,035,901.85	\$6,488,016.85	\$5,016,057.48	\$953,050.92	\$5,969,108.40	\$5,773,932.00	\$1,097,047.08	\$6,870,979.08	\$5,414,034.83	\$6,442,701.44
530	Radiador de aceite transmision	UND	1	\$5,896,024.00	\$1,120,244.56	\$7,016,268.56	\$4,422,619.44	\$840,297.69	\$5,262,917.13	\$9,559,133.00	\$1,816,235.27	\$11,375,368.27	\$6,625,925.48	\$7,884,851.32
531	Empaque turbo	UND	1	\$3,228,327.36	\$613,382.20	\$3,841,709.56	\$4,474,159.00	\$850,090.21	\$5,324,249.21	\$7,710,537.00	\$1,465,002.03	\$9,175,539.03	\$5,137,674.45	\$6,113,832.60
532	Polea loca	UND	1	\$600,805.00	\$114,152.95	\$714,957.95	\$440,269.20	\$83,651.15	\$523,920.35	\$650,980.00	\$123,686.20	\$774,666.20	\$564,018.07	\$671,181.50
533	Tensor de correa	UND	1	\$536,429.16	\$101,921.54	\$638,350.70	\$766,695.00	\$145,672.05	\$912,367.05	\$644,700.00	\$122,493.00	\$767,193.00	\$649,274.72	\$772,636.92
534	Ventilador	UND	1	\$977,787.00	\$185,779.53	\$1,163,566.53	\$1,375,481.00	\$261,341.39	\$1,636,822.39	\$1,703,170.00	\$323,602.30	\$2,026,772.30	\$1,352,146.00	\$1,609,053.74
535	Culata	UND	1	\$27,624,091.00	\$5,248,577.29	\$32,872,668.29	\$17,380,853.00	\$3,302,362.07	\$20,683,215.07	\$14,914,009.80	\$2,833,661.86	\$17,747,671.66	\$19,972,984.60	\$23,767,851.67
536	ESTABILIZADORAS)	UND	1	\$2,036,513.88	\$386,937.64	\$2,423,451.52	\$2,386,976.00	\$453,525.44	\$2,840,501.44	\$2,393,885.00	\$454,838.15	\$2,848,723.15	\$2,272,458.29	\$2,704,225.37
537	BALDE	UND	1	\$23,362,740.72	\$4,438,920.74	\$27,801,661.46	\$25,890,383.00	\$4,919,172.77	\$30,809,555.77	\$31,028,504.00	\$5,895,415.76	\$36,923,919.76	\$26,760,542.57	\$31,845,045.66
538	TAPA TANQUE EXPANCIION	UND	1	\$3,306,779.00	\$628,288.01	\$3,935,067.01	\$2,763,868.32	\$525,134.98	\$3,289,003.30	\$3,012,576.00	\$572,389.44	\$3,584,965.44	\$3,027,741.11	\$3,603,011.92
539	CRUCETA DELANTERA CARDAN	UND	1	\$411,256.00	\$78,138.64	\$489,394.64	\$649,207.00	\$123,349.33	\$772,556.33	\$347,638.68	\$66,051.35	\$413,690.03	\$469,367.23	\$558,547.00
540	CRUCETA TRACERA CARDAN	UND	1	\$399,796.92	\$75,961.41	\$475,758.33	\$413,951.00	\$78,650.69	\$492,601.69	\$414,210.00	\$78,699.90	\$492,909.90	\$409,319.31	\$487,089.97
541	RADIADOR DE AGUA	UND	1	\$6,500,931.48	\$1,235,176.98	\$7,736,108.46	\$12,115,481.00	\$2,301,941.39	\$14,417,422.39	\$9,622,836.00	\$1,828,338.84	\$11,451,174.84	\$9,413,082.83	\$11,201,568.56
542	TERMOSTATO	UND	1	\$1,084,731.00	\$206,098.89	\$1,290,829.89	\$631,065.00	\$119,902.35	\$750,967.35	\$427,258.80	\$81,179.17	\$508,437.97	\$714,351.60	\$850,078.40
543	Bomba de inyeccion	UND	1	\$23,627,024.55	\$4,489,134.66	\$28,116,159.21	\$24,404,422.00	\$4,636,840.18	\$29,041,262.18	\$37,972,885.00	\$7,214,848.15	\$45,187,733.15	\$28,668,110.52	\$34,115,051.51
544	INYECTOR MOTOR	UND	1	\$3,332,359.35	\$633,148.28	\$3,965,507.63	\$4,680,095.00	\$889,218.05	\$5,569,313.05	\$7,702,721.00	\$1,463,516.99	\$9,166,237.99	\$5,238,391.78	\$6,233,686.22
545	PLUMILLA LIMPIABRISAS DELANTERA	UND	1	\$196,212.60	\$37,280.39	\$233,492.99	\$278,604.00	\$52,934.76	\$331,538.76	\$507,781.00	\$96,478.39	\$604,259.39	\$327,532.53	\$389,763.71
546	PLUMILLA LIMPIABRISAS TRASERAS	UND	1	\$188,733.60	\$35,859.38	\$224,592.98	\$230,226.00	\$43,742.94	\$273,968.94	\$272,512.00	\$51,777.28	\$324,289.28	\$230,490.53	\$274,283.73
547	MOTOR DE ARRANQUE	UND	1	\$4,886,968.00	\$928,523.92	\$5,815,491.92	\$4,299,034.95	\$816,816.64	\$5,115,851.59	\$5,204,148.00	\$988,788.12	\$6,192,936.12	\$4,796,716.98	\$5,708,093.21
548	Empaque bomba de agua	UND	1	\$947,117.00	\$179,952.23	\$1,127,069.23	\$555,675.00	\$105,578.25	\$661,253.25	\$492,435.00	\$93,562.65	\$585,997.65	\$665,075.67	\$791,440.04
549	BOMBA DE AGUA	UND	1	\$6,199,195.00	\$1,177,847.05	\$7,377,042.05	\$3,438,658.80	\$653,345.17	\$4,092,003.97	\$5,028,417.00	\$955,399.23	\$5,983,816.23	\$4,888,756.93	\$5,817,620.75
550	Pasador y reten dentie 2111239/39	UND	1	\$550,198.35	\$104,537.68	\$654,736.04	\$831,139.00	\$157,916.41	\$989,055.41	\$755,041.00	\$143,457.79	\$898,498.79	\$712,126.12	\$847,430.08
551	Dientes balde 2085235	UND	1	\$913,456.00	\$173,556.64	\$1,087,012.64	\$496,431.45	\$94,321.98	\$590,753.43	\$611,184.00	\$116,124.96	\$727,308.96	\$673,690.48	\$801,691.68
552	Llantas delanteras 12.5 x 18 (16 lonas)	UND	1	\$13,953,325.00	\$2,651,131.75	\$16,604,456.75	\$5,490,830.00	\$1,043,257.70	\$6,534,087.70	\$8,153,657.00	\$1,549,194.83	\$9,702,851.83	\$9,199,270.67	\$10,947,132.09
553	Neumáticos 12.5 x 16	UND	1	\$257,674.00	\$48,958.06	\$306,632.06	\$216,451.00	\$41,125.69	\$257,576.69	\$397,935.00	\$75,807.65	\$473,542.65	\$290,686.67	\$345,917.13
554	Llantas traseras 19.5 x 24 (16 lonas)	UND	1	\$12,683,773.00	\$2,409,916.87	\$15,093,689.87	\$11,076,191.00	\$2,104,476.29	\$13,180,667.29	\$8,900,935.00	\$1,691,177.65	\$10,592,112.65	\$10,886,966.33	\$12,955,489.94
555	Neumáticos 19.5 x 24	UND	1	\$738,560.00	\$140,326.40	\$878,886.40	\$386,219.00	\$67,381.61	\$453,600.61	\$356,587.60	\$67,751.65	\$424,339.30	\$493,788.88	\$587,608.77
556	Barra estabilizadora 2332576	UND	1	\$1,619,438.00	\$307,693.22	\$1,927,131.22	\$1,352,896.65	\$257,050.36	\$1,609,947.01	\$2,137,293.00	\$406,085.67	\$2,543,378.67	\$1,703,209.22	\$2,026,818.97
557	Cuchillas para el balde 1187110	UND	1	\$2,930,701.00	\$556,833.19	\$3,487,534.19	\$1,798,002.90	\$341,620.55	\$2,139,623.45	\$2,606,497.00	\$495,234.43	\$3,101,731.43	\$2,445,066.97	\$2,909,629.69
558	Tomillos con tuerca para las cuchillas 3F5108	UND	1	\$226,532.00	\$43,041.08	\$269,573.08	\$116,122.05	\$22,063.19	\$138,185.24	\$149,532.00	\$28,411.08	\$177,943.08	\$164,062.02	\$195,233.80
559	Eje del tren delantero 2105946	UND	1	\$6,500,772.00	\$1,235,146.68	\$7,735,918.68	\$9,323,172.00	\$1,771,402.68	\$11,094,574.68	\$4,406,802.84	\$837,292.54	\$5,244,095.38	\$6,743,582.28	\$8,024,862.91
560	Mangueras hidraulicas con acoples 3/4 X 2 1/2 MTS CON ACOPLE 3/4RTM	UND	1	\$1,759,997.00	\$334,399.43	\$2,094,396.43	\$1,025,214.00	\$194,790.66	\$1,220,004.66	\$763,996.68	\$145,159.37	\$909,156.05	\$1,183,069.23	\$1,407,852.38
561	Manguera hidraulica R12 X 5/8 X 2.10MTS	UND	1	\$923,002.56	\$175,370.49	\$1,098,373.05	\$1,710,772.00	\$325,046.68	\$2,035,818.68	\$1,378,283.00	\$261,873.77	\$1,640,156.77	\$1,337,352.52	\$1,591,449.50
562	Manguera hidraulica R2 3/8 con acoples x 60cm	UND	1	\$674,559.00	\$128,166.21	\$802,725.21	\$502,798.68	\$95,531.75	\$598,330.43	\$1,337,169.00	\$254,062.11	\$1,591,231.11	\$838,175.56	\$997,428.92
563	Manguera hidraulica R12 1/2 X 2.50 MTS	UND	1	\$1,822,541.00	\$346,282.79	\$2,168,823.79	\$1,634,404.00	\$310,536.76	\$1,944,940.76	\$1,165,407.84	\$221,427.49	\$1,386,835.33	\$1,540,784.28	\$1,833,533.29
564	Manguera hidraulica con acoples R2 3/8 x 55cm	UND	1	\$578,780.00	\$109,968.20	\$688,748.20	\$558,841.68	\$106,179.92	\$665,021.60	\$729,924.00	\$138,685.56	\$868,609.56	\$622,515.23	\$740,793.12
565	Manguera hidraulica con acoples R12 X 2.50 MTS	UND	1	\$901,306.00	\$171,248.14	\$1,072,554.14	\$612,293.40	\$116,335.75	\$728,629.15	\$1,112,448.00	\$1,321,365.12	\$2,436,261.12	\$875,349.13	\$1,041,665.47
566	Manguera hidraulica con acoples R2 3/8 X 1.30 MTS	UND	1	\$2,358,361.00	\$448,088.59	\$2,806,449.59	\$932,985.72	\$177,267.29	\$1,110,253.01	\$1,293,530.00	\$245,770.70	\$1,539,300.70	\$1,528,292.24	\$1,818,667.77

ITEM	MOTONIVELADORA CATERPILLAR 120 K				UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS						VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION																
580	Manguera hidraulica 1/2 x 4000 psi x2.75 mts con acoples				UND	1	\$2,137,154.00	\$406,059.26	\$2,543,213.26	\$1,286,052.00	\$244,349.88	\$1,530,401.88	\$906,816.96	\$172,295.22	\$1,079,112.18	\$1,443,340.99	\$1,717,575.77
581	Manguera hidraulica 5/8 x 6000 psi x1.75 mts con acoples				UND	1	\$1,604,707.00	\$304,894.33	\$1,909,601.33	\$1,751,395.00	\$332,765.05	\$2,084,160.05	\$1,126,790.64	\$214,090.22	\$1,340,880.86	\$1,494,297.55	\$1,778,214.08
582	Manguera 3 x 0.84 mts con acoples				UND	1	\$1,055,807.00	\$200,603.33	\$1,256,410.33	\$627,194.00	\$119,166.86	\$746,360.86	\$598,972.32	\$113,804.74	\$712,777.06	\$905,182.75	\$905,182.75
583	Manguera de 1/2 x 1.10 mts con acoples				UND	1	\$1,193,785.00	\$226,819.15	\$1,420,604.15	\$832,609.44	\$158,195.79	\$990,805.23	\$1,452,750.00	\$276,022.50	\$1,728,772.50	\$1,159,714.81	\$1,380,060.63
584	Mangueras hidraulica 5/8 x 6000 psi x1.75 mts con acoples				UND	1	\$1,019,476.08	\$193,700.46	\$1,213,176.54	\$1,492,385.00	\$283,553.15	\$1,775,938.15	\$1,710,954.00	\$325,081.26	\$2,036,035.26	\$1,407,605.03	\$1,675,049.98
585	Manguera 3/4 x 6000 PSI X 1.45 mts con acoples				UND	1	\$1,650,789.00	\$313,649.91	\$1,964,438.91	\$1,546,545.00	\$293,843.55	\$1,840,388.55	\$1,167,259.32	\$221,779.27	\$1,389,038.59	\$1,454,864.44	\$1,731,288.68
586	Vidrio puerta izquierda superior curvo				UND	1	\$1,089,254.88	\$206,958.43	\$1,296,213.31	\$1,530,924.00	\$290,875.56	\$1,821,799.56	\$1,855,084.00	\$352,465.96	\$2,207,549.96	\$1,491,754.29	\$1,775,187.61
587	Vidrio panoramico superior				UND	1	\$1,484,569.00	\$282,068.11	\$1,766,637.11	\$2,463,279.00	\$468,023.01	\$2,931,302.01	\$1,097,416.80	\$208,509.19	\$1,305,925.99	\$1,681,754.93	\$2,001,288.37
588	Vidrio puerta izquierda inferior				UND	1	\$2,016,435.00	\$383,122.65	\$2,399,557.65	\$1,090,226.88	\$207,143.11	\$1,297,369.99	\$1,624,027.00	\$308,565.13	\$1,932,592.13	\$1,576,896.29	\$1,876,506.59
589	Vidrio trasero inferior curvo				UND	1	\$1,966,811.00	\$373,694.09	\$2,340,505.09	\$1,085,385.60	\$206,223.26	\$1,291,608.86	\$1,519,119.00	\$288,632.61	\$1,807,751.61	\$1,523,771.87	\$1,813,288.52
590	Vidrio lateral superior derecho				UND	1	\$1,204,215.00	\$228,800.85	\$1,433,015.85	\$1,075,258.44	\$204,299.10	\$1,279,557.54	\$1,805,073.00	\$342,963.87	\$2,148,036.87	\$1,361,515.48	\$1,620,203.42
591	Vidrio inferior puerta				UND	1	\$1,141,495.00	\$216,884.05	\$1,358,379.05	\$1,047,978.36	\$199,115.89	\$1,247,094.25	\$1,680,381.00	\$319,272.39	\$1,999,653.39	\$1,289,951.45	\$1,535,042.23
592	Vidrio superior puerta				UND	1	\$1,234,787.00	\$234,609.53	\$1,469,396.53	\$932,739.84	\$177,220.57	\$1,109,960.41	\$1,692,778.00	\$321,627.82	\$2,014,405.82	\$1,286,768.28	\$1,531,254.25
593	Vidrio lateral inferior trasero izquierdo				UND	1	\$1,368,001.00	\$259,920.19	\$1,627,921.19	\$1,072,224.00	\$203,722.56	\$1,275,946.56	\$2,008,034.00	\$381,526.46	\$2,389,560.46	\$1,482,753.00	\$1,764,476.07
594	Cerrojo vidrio trasero 1467745				UND	1	\$892,594.00	\$169,592.86	\$1,062,186.86	\$1,623,558.00	\$308,476.02	\$1,932,034.02	\$753,994.44	\$143,258.94	\$897,253.38	\$1,090,048.81	\$1,297,158.09
595	Cerrojo vidrio trasero 1467944				UND	1	\$982,616.00	\$186,697.04	\$1,169,313.04	\$1,906,615.00	\$362,256.85	\$2,268,871.85	\$718,954.20	\$136,601.30	\$855,555.50	\$1,202,728.40	\$1,431,246.80
596	sello empaque vidrio 3081273				UND	1	\$670,759.92	\$127,444.38	\$798,204.30	\$1,640,997.00	\$311,799.43	\$1,952,796.43	\$830,460.00	\$157,787.40	\$988,247.40	\$1,047,405.64	\$1,246,412.71
597	Cerrojo vidrio puerta derecha inferior 2996985				UND	1	\$919,990.00	\$174,798.10	\$1,094,788.10	\$1,654,209.00	\$314,299.71	\$1,968,508.71	\$706,875.48	\$134,306.34	\$841,181.82	\$1,093,691.49	\$1,301,492.88
598	Cerrojo vidrio puerta derecha superior 2996986				UND	1	\$1,068,758.00	\$203,064.02	\$1,271,822.02	\$1,174,426.00	\$223,140.94	\$1,397,566.94	\$729,817.56	\$138,665.34	\$868,482.90	\$991,000.52	\$1,179,290.62
599	Manija cierre vidrio delantero				UND	1	\$953,402.00	\$181,146.38	\$1,134,548.38	\$935,832.00	\$177,808.08	\$1,113,640.08	\$762,712.20	\$144,915.32	\$907,627.52	\$883,982.07	\$1,051,938.66
600	Seguro de enganche para vidrio				UND	1	\$1,290,246.00	\$245,146.74	\$1,535,392.74	\$675,631.00	\$128,369.89	\$804,000.89	\$511,155.36	\$97,119.52	\$608,274.88	\$825,677.45	\$982,556.17
601	Vidrio frontal inferior				UND	1	\$1,721,460.00	\$327,077.40	\$2,048,537.40	\$1,597,431.00	\$303,511.89	\$1,900,942.89	\$1,218,750.12	\$231,562.52	\$1,450,312.64	\$1,512,547.04	\$1,799,930.98
602	Vidrio trasero inferior				UND	1	\$1,741,153.00	\$330,819.07	\$2,071,972.07	\$1,191,284.64	\$226,344.08	\$1,417,628.72	\$1,752,360.00	\$332,948.40	\$2,085,308.40	\$1,561,599.21	\$1,858,303.06
603	Separador trasero vidrio trasero				UND	1	\$1,897,350.00	\$360,496.50	\$2,257,846.50	\$958,382.00	\$182,092.58	\$1,140,474.58	\$828,957.96	\$157,502.01	\$986,459.97	\$1,228,229.99	\$1,461,593.68
604	Correas para ventilador 3S8447				UND	1	\$198,693.00	\$37,751.67	\$236,444.67	\$258,390.00	\$49,094.10	\$307,484.10	\$168,124.68	\$31,943.69	\$200,068.37	\$208,402.56	\$247,999.05
605	Baterías 31H 1200				UND	1	\$1,650,490.00	\$313,593.10	\$1,964,083.10	\$3,429,552.00	\$651,614.88	\$4,081,166.88	\$1,792,954.00	\$340,661.26	\$2,133,615.26	\$2,290,998.67	\$2,726,288.41
606	Varilla medidora de aceite 3418235				UND	1	\$516,889.00	\$98,208.91	\$615,097.91	\$675,345.00	\$128,315.55	\$803,660.55	\$470,689.20	\$89,430.95	\$560,120.15	\$554,307.73	\$659,626.20
607	Tapa para tanque combustible 2949039				UND	1	\$588,707.00	\$111,854.33	\$700,561.33	\$413,105.04	\$78,489.96	\$491,595.00	\$915,965.00	\$174,033.35	\$1,089,998.35	\$639,259.01	\$760,718.23
608	Guardabarros 2131881				UND	1	\$4,293,687.00	\$815,800.53	\$5,109,487.53	\$5,294,940.00	\$1,006,038.60	\$6,300,978.60	\$3,601,614.24	\$684,306.71	\$4,285,920.95	\$4,396,747.08	\$5,232,129.03
609	Turbo 2373786				UND	1	\$11,137,416.12	\$2,116,109.06	\$13,253,525.18	\$16,491,510.00	\$3,133,386.90	\$19,624,896.90	\$13,465,133.00	\$2,558,375.27	\$16,023,508.27	\$13,698,019.71	\$16,300,643.45
610	Terminales de dirección 2099886				UND	1	\$3,628,634.00	\$689,440.46	\$4,318,074.46	\$1,637,061.12	\$311,041.61	\$1,948,102.73	\$2,429,038.00	\$461,517.22	\$2,890,555.22	\$2,564,911.04	\$3,052,244.14
611	Buje pasador superior 2627043				UND	1	\$833,796.00	\$158,421.24	\$992,217.24	\$433,679.40	\$88,399.09	\$516,078.49	\$522,265.00	\$99,230.35	\$621,495.35	\$596,580.13	\$709,930.36
612	Bujes chasis botella s de giro 9R4110				UND	1	\$422,870.76	\$80,345.44	\$503,216.20	\$605,616.00	\$115,067.04	\$720,683.04	\$463,303.00	\$88,027.57	\$551,330.57	\$497,263.25	\$591,743.27
613	Bujes caballeta botella giro 2136702				UND	1	\$1,028,307.00	\$195,378.33	\$1,223,685.33	\$724,451.00	\$137,645.69	\$862,096.69	\$620,404.56	\$117,876.87	\$738,281.43	\$791,054.19	\$941,354.48
614	Pasador botellas de giro 2096855				UND	1	\$1,148,965.00	\$218,303.35	\$1,367,268.35	\$627,950.00	\$119,310.50	\$747,260.50	\$608,560.92	\$115,626.57	\$724,187.49	\$795,158.64	\$946,238.78
615	Pasador enganche boom 2375330				UND	1	\$542,390.00	\$103,054.10	\$645,444.10	\$518,781.96	\$98,568.57	\$617,350.53	\$655,815.00	\$124,604.85	\$780,419.85	\$572,328.99	\$681,071.49
616	Bujes enganche boom 2370944				UND	1	\$609,380.28	\$115,782.25	\$725,162.53	\$634,421.00	\$120,539.99	\$754,960.99	\$630,168.00	\$119,731.92	\$749,899.92	\$624,656.43	\$743,341.15
617	Bujes chasis estabilizadoras 9R0431				UND	1	\$735,596.00	\$139,763.24	\$875,359.24	\$663,692.04	\$126,101.49	\$789,793.53	\$1,409,345.00	\$267,775.55	\$1,677,120.55	\$936,211.01	\$1,114,091.11
618	Bujes botellas de giro 9T2883				UND	1	\$524,931.12	\$99,736.91	\$624,668.03	\$766,225.00	\$145,582.75	\$911,807.75	\$871,607.00	\$165,605.33	\$1,037,212.33	\$720,921.04	\$857,896.04
619	Pasador enganche boom y stick 2136714				UND	1	\$784,039.00	\$148,967.41	\$933,006.41	\$677,172.24	\$128,662.73	\$805,834.97	\$1,117,446.00	\$212,314.74	\$1,329,760.74	\$859,552.41	\$1,022,867.37
620	Pasador botella balde 2201019				UND	1	\$1,597,517.00	\$303,528.23	\$1,901,045.23	\$804,900.00	\$152,931.00	\$957,831.00	\$658,396.44	\$125,095.32	\$783,491.76	\$1,020,271.15	\$1,214,122.66
621	Bujes stick 9R0162				UND	1	\$803,345.00	\$152,635.55	\$955,980.55	\$743,497.00	\$141,264.43	\$884,761.43	\$605,816.28	\$115,105.09	\$720,921.37	\$717,552.76	\$853,887.78
622	Pad ajuste strading 2171577				UND	1	\$592,799.00	\$112,631.81	\$705,430.81	\$1,019,794.00	\$193,760.86	\$1,213,554.86	\$458,146.44	\$87,047.82	\$545,194.26	\$690,246.48	\$821,393.31
623	Pad ajuste strading 226-9764				UND	1	\$578,757.00	\$109,963.83	\$688,720.83	\$423,578.88	\$80,479.99	\$504,058.87	\$617,060.00	\$117,241.40	\$734,301.40	\$539,798.63	\$642,360.37
624	Pad ajuste strading 233-5169				UND	1	\$418,722.12	\$79,557.20	\$498,279.32	\$574,078.00	\$109,074.82	\$683,152.82	\$437,618.00	\$83,147.42	\$520,765.42	\$476,806.04	\$567,399.19
625	Catarina reductor 2172879				UND	1	\$6,421,841.00	\$1,220,149.79	\$7,641,990.79	\$6,877,792.00	\$1,306,780.48	\$8,184,572.48	\$4,550,659.56	\$864,625.32	\$5,415,284.88	\$5,950,097.52	\$7,080,616.05
626	Piñón reductor 2094157				UND	1	\$2,936,498.00	\$557,934.62	\$3,494,432.62	\$3,728,037.00	\$708,327.03	\$4,436,364.03	\$2,007,254.52	\$381,378.36	\$2,388,632.88	\$2,890,596.51	\$3,439,809.84
627	Retenedor grande reductor delantero 3318538				UND	1	\$525,786.00	\$99,899.34	\$625,685.34	\$567,206.00	\$107,769.14	\$674,975.14	\$445,779.72	\$84,698.15	\$530,477.87	\$152,923.91	\$610,379.45
628	Retenedor punta eje reductor delantero 4431363				UND	1	\$503,440.20	\$95,653.64	\$599,093.84	\$665,380.00	\$126,422.20	\$791,802.20	\$566,187.00	\$107,575.53	\$673,762.53	\$558,335.73	\$688,219.52
629	Oring grande rueda delantera 1H8278				UND	1	\$103,677.84	\$19,698.79	\$123,376.63	\$161,244.00	\$30,636.36	\$191,880.36	\$121,434.00	\$23,072.46	\$144,506.46	\$128,785.28	\$153,254.38
630	Eje completo de la doble 4616187				UND	1	\$8										

ITEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUSTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION														
639	Correa aire acondicionado 1303216		UND	1	\$160,506.36	\$30,496.21	\$191,002.57	\$446,029.00	\$84,745.51	\$530,774.51	\$238,533.00	\$45,321.27	\$283,854.27	\$281,689.45	\$335,210.45
640	Bomba de transferencia de combustible original 2289129		UND	1	\$4,197,739.50	\$797,570.51	\$4,995,310.01	\$5,887,422.00	\$1,118,610.18	\$7,006,032.18	\$6,718,925.00	\$1,276,595.75	\$7,995,520.75	\$5,601,362.17	\$6,665,620.98
641	Purificador combustible AK100		UND	1	\$865,965.96	\$164,533.53	\$1,030,499.49	\$2,353,549.00	\$447,174.31	\$2,800,723.31	\$1,195,759.00	\$227,194.21	\$1,422,953.21	\$1,471,757.99	\$1,751,392.00
642	Válvula de segmentación 2479730		UND	1	\$795,947.00	\$151,229.93	\$947,176.93	\$642,912.12	\$122,153.30	\$765,065.42	\$1,445,945.00	\$274,729.55	\$1,720,674.55	\$961,601.37	\$1,144,305.63
643	Tubo sistema aire 2600634		UND	1	\$729,068.76	\$138,523.06	\$867,591.82	\$936,391.00	\$177,914.29	\$1,114,305.29	\$859,126.00	\$163,233.94	\$1,022,359.94	\$841,528.59	\$1,001,419.02
644	Acople silenciador		UND	1	\$450,962.00	\$85,682.78	\$536,644.78	\$321,652.00	\$61,113.88	\$382,765.88	\$238,474.44	\$45,310.14	\$283,784.58	\$337,029.48	\$401,065.08
645	2013621 tubos botella estabilizadora		UND	1	\$4,094,810.00	\$778,013.90	\$4,872,823.90	\$3,523,233.96	\$669,414.45	\$4,192,648.41	\$7,206,527.00	\$1,369,240.13	\$8,575,767.13	\$4,941,523.65	\$5,880,413.15
646	Tubo hidraulico 8N2028		UND	1	\$1,377,963.00	\$261,812.97	\$1,639,775.97	\$1,225,065.24	\$232,762.40	\$1,457,827.64	\$1,793,647.00	\$340,792.93	\$2,134,439.93	\$1,465,558.41	\$1,744,014.51
647	3242579 Bobina control transmision		UND	1	\$4,904,105.00	\$931,779.95	\$5,835,884.95	\$2,879,584.00	\$547,120.96	\$3,426,704.96	\$2,414,345.04	\$458,725.56	\$2,873,070.60	\$3,399,344.68	\$4,045,220.17
648	2807009 Solenoide transmision		UND	1	\$2,698,679.16	\$512,749.04	\$3,211,428.20	\$2,947,259.00	\$559,979.21	\$3,507,238.21	\$5,636,542.00	\$1,070,942.98	\$6,707,484.98	\$3,760,826.72	\$4,475,383.80
649	3242578 grupo válvula de control transmision marcha y contramarcha		UND	1	\$6,821,452.00	\$1,296,075.88	\$8,117,527.88	\$6,101,390.52	\$1,159,264.20	\$7,260,654.72	\$10,065,337.00	\$1,912,414.03	\$11,977,751.03	\$7,662,726.51	\$9,118,644.54
650	Camisa motor		UND	1	\$5,809,715.00	\$1,103,845.85	\$6,913,560.85	\$3,696,995.00	\$702,429.05	\$4,399,424.05	\$3,606,728.76	\$685,278.46	\$4,292,007.22	\$4,371,146.25	\$5,201,664.04
651	Buje de biela 225-5438		UND	1	\$844,905.00	\$160,531.95	\$1,005,436.95	\$1,093,687.00	\$207,800.53	\$1,301,487.53	\$584,772.12	\$111,106.70	\$695,878.82	\$841,121.37	\$1,000,934.43
652	Sello trasero cigüeñal		UND	1	\$823,411.00	\$156,448.09	\$979,859.09	\$548,954.28	\$104,301.31	\$653,255.59	\$1,149,932.00	\$218,487.08	\$1,368,419.08	\$840,765.76	\$1,000,511.25
653	Sello delantero cigüeñal		UND	1	\$1,255,107.00	\$238,470.33	\$1,493,577.33	\$551,788.20	\$104,839.76	\$656,627.96	\$728,106.00	\$138,340.14	\$866,446.14	\$845,000.40	\$1,005,550.48
654	Empaquetadura superior motor		UND	1	\$3,474,845.64	\$660,220.67	\$4,135,066.31	\$6,432,333.00	\$1,222,143.27	\$7,654,476.27	\$5,133,964.00	\$975,453.16	\$6,109,417.16	\$5,013,714.21	\$5,966,319.91
655	Empaquetadura inferior motor		UND	1	\$1,118,783.00	\$212,568.77	\$1,331,351.77	\$1,045,816.92	\$198,705.21	\$1,244,522.13	\$2,014,877.00	\$382,826.63	\$2,397,703.63	\$1,393,158.97	\$1,657,859.18
656	2113783 Guardabarros trasero izquierdo		UND	1	\$5,037,997.00	\$957,219.43	\$5,995,216.43	\$4,759,890.00	\$904,379.10	\$5,664,269.10	\$18,933.41	\$3,876,477.65	\$4,351,810.41	\$5,178,654.39	\$5,767,854.39
657	Tanque auxiliar radiador 2471385		UND	1	\$848,896.20	\$161,290.28	\$1,010,186.48	\$852,612.00	\$161,996.28	\$1,014,608.28	\$974,666.00	\$185,186.54	\$1,159,852.54	\$892,058.07	\$1,061,549.10
658	Empaque seguro 1508015		UND	1	\$497,076.00	\$94,444.44	\$591,520.44	\$909,573.00	\$172,818.87	\$1,082,391.87	\$384,767.64	\$73,105.85	\$457,873.49	\$597,138.88	\$710,595.27
659	Cerrojo ventana 3300427		UND	1	\$1,223,747.00	\$232,511.93	\$1,456,258.93	\$627,134.00	\$119,155.46	\$746,289.46	\$470,820.60	\$89,455.91	\$560,276.51	\$773,900.53	\$920,941.63
660	Llave master 8H5306		UND	1	\$670,057.92	\$127,311.00	\$797,368.92	\$1,167,440.00	\$221,813.60	\$1,389,253.60	\$909,314.00	\$172,769.66	\$1,082,083.66	\$915,063.97	\$1,089,568.73
661	Neumaticos 12 5/80-18		UND	1	\$767,363.00	\$145,798.97	\$913,161.97	\$285,078.15	\$54,164.85	\$339,243.00	\$419,303.00	\$79,667.57	\$498,970.57	\$490,581.38	\$583,791.85
662	3161079 frame (sillín brazo trasero)		UND	1	\$1,834,034.00	\$348,466.46	\$2,182,500.46	\$823,404.24	\$156,446.81	\$979,851.05	\$1,065,319.00	\$202,410.61	\$1,267,229.61	\$1,240,919.08	\$1,476,693.71
663	4431364 Retenedor housing		UND	1	\$570,610.00	\$108,415.90	\$679,025.90	\$414,972.00	\$78,844.68	\$493,816.68	\$1,103,367.00	\$209,639.73	\$1,313,006.73	\$696,316.33	\$828,616.44
664	Buje superior chasis 2787695		UND	1	\$415,094.04	\$78,867.87	\$493,961.91	\$573,839.00	\$109,029.41	\$682,868.41	\$1,033,127.00	\$129,421.13	\$674,020.01	\$802,083.82	\$964,020.01
665	Pasador superior 3288776		UND	1	\$525,216.00	\$99,791.04	\$625,007.04	\$422,045.28	\$80,188.60	\$502,233.88	\$569,283.00	\$108,163.77	\$677,446.77	\$505,514.76	\$601,562.56
666	Buje boom		UND	1	\$1,444,324.00	\$274,421.56	\$1,718,745.56	\$605,351.16	\$115,016.72	\$720,367.88	\$851,048.00	\$161,699.12	\$1,012,747.12	\$966,907.72	\$1,150,620.19
667	Pines ejes 2105942		UND	1	\$28,432.80	\$5,402.23	\$33,835.03	\$63,300.00	\$12,027.00	\$75,327.00	\$34,980.00	\$6,646.20	\$41,626.20	\$42,237.60	\$50,262.74
668	Shim chanela 1987841		UND	1	\$709,358.40	\$134,778.10	\$844,136.50	\$766,662.00	\$145,665.78	\$912,327.78	\$724,800.00	\$137,712.00	\$862,512.00	\$733,606.80	\$872,992.09
669	Shim chanela 1987843		UND	1	\$725,450.40	\$137,835.58	\$863,285.98	\$1,129,235.00	\$214,554.65	\$1,343,789.65	\$777,025.00	\$147,634.75	\$924,659.75	\$877,236.80	\$1,043,911.79
670	Pasador gato boom 2096850		UND	1	\$607,590.00	\$115,442.10	\$723,032.10	\$559,580.04	\$106,320.21	\$665,900.25	\$761,326.00	\$144,651.94	\$905,977.94	\$642,832.01	\$764,970.10
671	Pasador sillín superior 3288776		UND	1	\$1,286,008.00	\$244,341.52	\$1,530,349.52	\$880,797.60	\$167,351.54	\$1,048,149.14	\$1,139,765.00	\$216,555.35	\$1,356,320.35	\$1,102,190.20	\$1,311,606.34
672	Buje boom chasis 2785454		UND	1	\$808,892.00	\$153,689.48	\$962,581.48	\$573,038.00	\$108,877.22	\$681,915.22	\$469,212.12	\$89,150.30	\$558,362.42	\$617,047.37	\$734,286.37
673	Buje boom chasis 2096181		UND	1	\$946,044.00	\$179,748.36	\$1,125,792.36	\$641,393.00	\$121,864.67	\$763,257.67	\$515,818.80	\$98,005.57	\$613,824.37	\$701,085.27	\$834,291.47
674	1545404 Buje teflon troque delantero		UND	1	\$888,629.00	\$168,839.51	\$1,057,468.51	\$597,961.00	\$113,612.59	\$711,573.59	\$418,397.40	\$79,495.51	\$497,892.91	\$634,995.80	\$755,645.00
675	2107078k empaquetadura botella arrastre		UND	1	\$1,423,374.00	\$270,441.06	\$1,693,815.06	\$641,901.96	\$121,961.37	\$763,863.33	\$820,386.00	\$155,873.34	\$976,259.34	\$961,887.32	\$1,144,645.91
676	Bota para llanta		UND	1	\$650,245.00	\$123,546.55	\$773,791.55	\$861,974.00	\$163,775.06	\$1,025,749.06	\$451,122.00	\$56,713.18	\$536,835.18	\$654,447.00	\$778,791.93
677	Parche de llanta		UND	1	\$217,715.00	\$41,365.85	\$259,080.85	\$155,490.00	\$29,543.10	\$185,033.10	\$325,408.00	\$61,827.52	\$387,235.52	\$232,871.00	\$277,116.49
678	2198798 Sello reten troque		UND	1	\$346,253.00	\$65,788.07	\$412,041.07	\$219,177.00	\$41,643.63	\$260,820.63	\$172,301.40	\$32,737.27	\$205,038.67	\$245,910.47	\$292,633.46
679	Pista rodillo chanela 601734		UND	1	\$887,378.00	\$168,601.82	\$1,055,979.82	\$536,483.00	\$101,931.77	\$638,414.77	\$497,028.60	\$94,435.43	\$591,464.03	\$640,296.53	\$761,952.87
680	2762353 Guaya enganchar boom		UND	1	\$1,617,938.00	\$307,408.22	\$1,925,346.22	\$819,313.92	\$155,669.64	\$974,983.56	\$1,133,294.00	\$215,325.86	\$1,348,619.86	\$1,190,181.97	\$1,416,316.55
681	Arandela ajuste trocha 1K7082		UND	1	\$25,912.00	\$4,923.28	\$30,835.28	\$22,880.88	\$4,347.37	\$27,228.25	\$38,999.00	\$7,409.81	\$46,408.81	\$29,263.96	\$34,824.11
682	Arandela ajuste trocha 1658996		UND	1	\$74,876.00	\$14,226.44	\$89,102.44	\$28,294.56	\$5,375.97	\$33,670.53	\$38,907.00	\$7,392.33	\$46,299.33	\$47,359.19	\$56,357.43
683	6V8344 Pin pasador		UND	1	\$24,828.12	\$4,717.34	\$29,545.46	\$28,008.00	\$5,321.52	\$33,329.52	\$47,289.00	\$8,984.91	\$56,273.91	\$33,375.04	\$39,716.30
684	6V3213 Pin pasador		UND	1	\$22,654.44	\$4,304.34	\$26,958.78	\$31,178.00	\$5,923.82	\$37,101.82	\$32,669.00	\$4,497.11	\$37,166.11	\$25,833.81	\$30,742.24
685	6V4364 Pin pasador		UND	1	\$25,767.72	\$4,895.87	\$30,663.59	\$48,312.00	\$9,179.28	\$57,491.28	\$34,111.00	\$6,481.09	\$40,592.09	\$36,063.57	\$42,915.65
686	Adaptadores pasamuro 11/16 Macho-Macho		UND	1	\$32,871.00	\$6,245.49	\$39,116.49	\$29,027.88	\$5,515.30	\$34,543.18	\$62,166.00	\$11,811.54	\$73,977.54	\$41,354.96	\$49,212.40
687	Esparragos eje 5/8		UND	1	\$219,349.00	\$41,676.31	\$261,025.31	\$210,975.00	\$40,085.25	\$251,060.25	\$144,030.24	\$27,365.75	\$171,395.99	\$191,451.41	\$227,827.18
688	9R3182 Pasador balde		UND	1	\$940,526.00	\$178,699.94	\$1,119,225.94	\$1,165,370.00	\$221,420.30	\$1,386,790.30	\$666,362.88	\$126,608.95	\$792,971.83	\$924,066.29	\$1,099,

ÍTEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO			
	REPUESTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA		
	DESCRIPCION																
698	Retenedor bomba de servo				UND	1	\$1,639,151.00	\$311,438.69	\$1,950,589.69	\$856,993.32	\$162,828.73	\$1,019,822.05	\$1,223,863.00	\$232,533.97	\$1,456,396.97	\$1,240,002.44	\$1,475,602.90
699	Selenoide apagado 1726219				UND	1	\$3,138,939.00	\$596,398.41	\$3,735,337.41	\$2,398,504.32	\$455,715.82	\$2,854,220.14	\$3,578,250.00	\$679,867.50	\$4,258,117.50	\$3,038,564.44	\$3,615,891.68
700	Bomba de aceite 2258329				UND	1	\$4,686,547.05	\$890,443.94	\$5,576,990.99	\$5,222,707.00	\$992,314.33	\$6,215,021.33	\$7,669,560.00	\$1,457,216.40	\$9,126,776.40	\$5,859,604.68	\$6,972,929.57
701	Tubos de enfriamiento 4133L048				UND	1	\$488,173.00	\$92,752.87	\$580,925.87	\$670,256.00	\$127,348.64	\$797,604.64	\$464,365.44	\$88,229.43	\$552,594.87	\$540,931.48	\$643,708.46
702	Regulador de voltaje				UND	1	\$885,976.00	\$168,335.44	\$1,054,311.44	\$709,266.96	\$134,760.72	\$844,027.68	\$943,999.00	\$179,359.81	\$1,123,358.81	\$846,413.99	\$1,007,232.64
703	Juego rodamientos alternador				JUEGO	1	\$183,440.16	\$34,853.63	\$218,293.79	\$278,706.00	\$52,954.14	\$331,660.14	\$244,348.00	\$46,426.12	\$290,774.12	\$235,498.05	\$280,242.68
704	Guaya estabilizador 23203072				UND	1	\$1,374,448.00	\$261,145.12	\$1,635,593.12	\$699,412.68	\$132,888.41	\$832,301.09	\$703,227.00	\$133,613.13	\$836,840.13	\$925,695.89	\$1,101,578.11
705	Cauchos obturadores valvulas motor				UND	1	\$841,047.00	\$159,798.93	\$1,000,845.93	\$707,786.64	\$134,479.46	\$842,266.10	\$786,544.00	\$149,443.36	\$935,987.36	\$778,459.21	\$926,366.46
706	2418F437 Retenedor delantero cigüeñal				UND	1	\$607,313.00	\$115,389.47	\$722,702.47	\$662,919.00	\$125,954.61	\$788,873.61	\$519,562.44	\$98,716.86	\$618,279.30	\$596,598.15	\$709,951.79
707	2418F704 Retenedor trasero cigüeñal				UND	1	\$460,473.00	\$87,489.87	\$547,962.87	\$356,004.36	\$67,640.83	\$423,645.19	\$439,531.00	\$83,510.89	\$523,041.89	\$418,669.45	\$498,216.65
708	Gatos puertas 1594269				UND	1	\$1,746,180.00	\$331,774.20	\$2,077,954.20	\$1,178,948.16	\$224,000.15	\$1,402,948.31	\$3,635,225.09	\$580,414.09	\$3,722,042.53	\$1,993,313.05	\$2,372,042.53
709	Tubo coneccion bomba de agua 2257741				UND	1	\$424,122.84	\$80,583.34	\$504,706.18	\$546,726.00	\$103,877.94	\$650,603.94	\$645,900.00	\$122,721.00	\$768,621.00	\$538,916.28	\$641,310.37
710	Cartridge turbo				UND	1	\$5,198,441.85	\$987,703.95	\$6,186,145.80	\$14,947,229.00	\$2,839,973.51	\$17,787,202.51	\$7,725,018.00	\$1,467,753.42	\$9,192,771.42	\$9,290,229.62	\$11,055,373.24
711	Oring bomba de inyeccion				UND	1	\$182,489.00	\$34,672.91	\$217,161.91	\$130,872.96	\$24,865.86	\$155,738.82	\$268,343.00	\$50,985.17	\$319,328.17	\$193,901.65	\$230,742.97
712	Oring grande rueda trasera 5H4909				UND	1	\$119,390.76	\$22,684.24	\$142,075.00	\$142,318.00	\$27,040.42	\$169,358.42	\$144,738.00	\$27,500.22	\$172,238.22	\$135,482.25	\$161,223.88
713	Metalizada de pasador sillín				UND	1	\$2,467,081.00	\$468,745.39	\$2,935,826.39	\$1,056,260.52	\$200,689.50	\$1,256,950.02	\$1,289,552.00	\$245,014.88	\$1,534,566.88	\$1,604,297.84	\$1,909,114.43
714	3893111 control hidráulico stick				UND	1	\$12,650,911.00	\$2,403,673.09	\$15,054,584.09	\$10,192,848.48	\$1,936,641.21	\$12,129,489.69	\$15,390,441.00	\$2,924,183.79	\$18,314,624.79	\$12,744,733.49	\$15,166,232.86
715	3893109 control hidráulico estabilizador				UND	1	\$3,069,245.88	\$583,156.72	\$3,652,402.60	\$4,130,443.00	\$784,784.17	\$4,915,227.17	\$4,003,485.00	\$760,662.15	\$4,764,147.15	\$3,734,391.29	\$4,443,925.64
716	6V8144 Pines pasador estabilizador				UND	1	\$91,805.00	\$17,442.95	\$109,247.95	\$61,253.00	\$11,638.07	\$72,891.07	\$43,023.60	\$8,174.48	\$51,198.08	\$65,360.53	\$77,779.03
717	2495512 Sello				UND	1	\$57,581.00	\$10,940.39	\$68,521.39	\$49,227.48	\$9,353.22	\$58,580.70	\$102,242.00	\$19,425.98	\$121,667.98	\$69,683.49	\$82,923.36
718	2479730 Valvula aire				UND	1	\$720,798.00	\$136,951.62	\$857,749.62	\$978,153.00	\$185,849.07	\$1,164,002.07	\$505,589.04	\$96,061.92	\$601,650.96	\$734,846.68	\$874,467.55
719	2483231 Tapa aire				UND	1	\$660,723.00	\$125,537.37	\$786,260.37	\$423,715.68	\$80,505.98	\$504,221.66	\$515,859.00	\$98,013.21	\$613,872.21	\$533,432.56	\$634,784.75
720	Kit empaquetaduras para banco de válvulas Trasero				UND	1	\$4,508,719.00	\$856,656.61	\$5,365,375.61	\$3,005,050.00	\$570,959.50	\$3,576,009.50	\$452,263.88	\$2,832,600.08	\$3,298,035.07	\$3,924,661.73	
721	Empaquetaduras para válvulas estabilizadores				UND	1	\$2,714,272.00	\$515,711.68	\$3,229,983.68	\$1,633,942.00	\$310,448.98	\$1,944,390.98	\$1,177,719.48	\$223,766.70	\$1,401,486.18	\$1,841,977.83	\$2,191,953.61
722	6V9748 sello				UND	1	\$770,267.00	\$146,350.73	\$916,617.73	\$364,829.04	\$69,317.52	\$434,146.56	\$544,607.00	\$103,475.33	\$648,082.33	\$559,901.01	\$666,282.21
723	3381508 Gato amortiguador cabrilla				UND	1	\$1,321,916.00	\$251,164.04	\$1,573,080.04	\$1,316,830.00	\$250,197.70	\$1,567,027.70	\$1,228,536.36	\$233,421.91	\$1,461,958.27	\$1,289,094.12	\$1,534,022.06
724	Inducido motor arranque				UND	1	\$924,754.32	\$175,703.32	\$1,100,457.64	\$1,248,578.00	\$237,229.82	\$1,485,807.82	\$1,990,359.00	\$378,168.21	\$2,368,527.21	\$1,387,897.11	\$1,651,597.56
725	2616703 Pasador botella estabilizadora				UND	1	\$612,577.00	\$116,389.63	\$728,966.63	\$585,391.32	\$111,224.35	\$696,615.67	\$624,449.00	\$118,645.31	\$743,094.31	\$607,472.44	\$722,892.20
726	9R0422 Pasador superior estabilizadora				UND	1	\$599,142.96	\$113,837.16	\$712,980.12	\$1,024,464.00	\$194,648.16	\$1,219,112.16	\$716,361.00	\$136,108.59	\$852,469.59	\$779,989.32	\$928,187.29
727	9R0411 Buje estabilizador				UND	1	\$309,875.00	\$58,876.25	\$368,751.25	\$367,759.68	\$58,474.34	\$426,234.02	\$550,399.00	\$104,575.81	\$654,974.81	\$389,344.56	\$463,320.03
728	9R0431 Buje estabilizador				UND	1	\$320,314.68	\$60,859.79	\$381,174.47	\$600,443.00	\$114,084.17	\$714,527.17	\$449,459.00	\$85,397.21	\$534,856.21	\$456,738.89	\$543,519.28
729	9R0321 Buje estabilizador				UND	1	\$488,571.48	\$92,828.58	\$581,400.06	\$681,898.00	\$129,560.62	\$811,458.62	\$543,111.00	\$103,191.09	\$646,302.09	\$571,193.49	\$679,720.26
730	2169498 kit diferencial delantero completo				UND	1	\$15,450,620.00	\$2,935,617.80	\$18,386,237.80	\$10,432,897.56	\$1,982,250.54	\$12,415,148.10	\$15,836,914.00	\$3,009,013.66	\$18,845,927.66	\$13,906,810.52	\$16,549,104.52
731	Embolo botella balde 2 1/2 x 108				UND	1	\$7,339,027.00	\$1,394,415.13	\$8,733,442.13	\$3,376,990.80	\$641,628.25	\$4,018,619.05	\$4,222,911.00	\$802,353.09	\$5,025,264.09	\$4,979,642.93	\$5,925,775.09
732	Gato capot 2505881				UND	1	\$1,326,359.00	\$252,008.21	\$1,578,367.21	\$1,354,198.00	\$257,297.62	\$1,611,495.62	\$1,164,587.04	\$221,271.54	\$1,385,858.58	\$1,281,714.68	\$1,525,240.47
733	Gato capot 2549301				UND	1	\$2,494,222.00	\$473,902.18	\$2,968,124.18	\$1,159,041.24	\$220,217.84	\$1,379,259.08	\$1,501,015.00	\$285,192.85	\$1,786,207.85	\$1,718,092.75	\$2,044,530.37
734	Borne tornillo				UND	1	\$139,586.00	\$26,521.34	\$166,107.34	\$65,764.08	\$12,495.18	\$78,259.26	\$81,762.00	\$15,534.78	\$97,296.78	\$95,704.03	\$113,887.79
735	Borne tipo pesado				UND	1	\$186,024.00	\$35,344.56	\$221,368.56	\$113,652.00	\$21,593.88	\$135,245.88	\$77,988.60	\$14,817.83	\$92,806.43	\$125,888.20	\$149,806.96
736	Tapones de 9/16				UND	1	\$21,980.00	\$4,176.20	\$26,156.20	\$36,796.00	\$6,991.24	\$43,787.24	\$15,303.96	\$2,907.75	\$18,211.71	\$24,693.32	\$29,385.05
737	Acoplesde 9/16 x 5/16 tipo barril				UND	1	\$31,829.00	\$6,047.51	\$37,876.51	\$60,257.00	\$11,448.83	\$71,705.83	\$31,683.24	\$6,019.82	\$37,703.06	\$41,256.41	\$49,095.13
738	Automatico arranque				UND	1	\$2,152,030.00	\$408,885.70	\$2,560,915.70	\$1,366,769.00	\$259,686.11	\$1,626,455.11	\$985,763.70	\$187,295.10	\$1,173,058.80	\$1,501,520.90	\$1,786,809.87
739	Juego de bobinas de campo				JUEGO	1	\$763,536.96	\$145,072.02	\$908,608.98	\$989,663.00	\$188,035.97	\$1,177,698.97	\$856,755.00	\$162,783.45	\$1,019,538.45	\$869,984.99	\$1,035,282.13
740	Juego de escobillas				JUEGO	1	\$531,133.00	\$100,915.27	\$632,048.27	\$251,907.12	\$47,862.35	\$299,769.47	\$314,090.00	\$59,677.10	\$373,767.10	\$365,710.04	\$435,194.95
741	portadiodos				UND	1	\$727,109.00	\$138,150.71	\$865,259.71	\$394,242.48	\$74,906.07	\$469,148.55	\$482,270.00	\$91,631.30	\$573,901.30	\$534,540.49	\$636,103.19
742	Retenedor bomba inyeccion				UND	1	\$387,380.16	\$73,602.23	\$460,982.39	\$557,520.00	\$105,928.80	\$663,448.80	\$406,695.00	\$77,272.05	\$483,967.05	\$450,531.72	\$536,132.75
743	Kit zapatas y rodillos bomba				UND	1	\$3,102,273.00	\$589,431.87	\$3,691,704.87	\$2,590,150.00	\$492,128.50	\$3,082,278.50	\$2,523,859.92	\$3,003,393.30	\$2,738,760.97	\$3,259,125.56	\$3,770,654.45
744	kit de reparacion completo				UND	1	\$150,390,979.00	\$28,574,286.01	\$178,965,265.01	\$58,729,696.20	\$11,158,642.28	\$69,888,338.48	\$84,264,379.00	\$16,010,232.01	\$100,274,611.01	\$97,795,018.07	\$116,376,071.50
745	2131887 Tapa guardabarros				UND	1	\$766,688.00	\$145,670.72	\$912,358.72	\$1,409,449.00	\$267,795.31	\$1,677,244.31	\$722,363.76	\$137,249.11	\$859,612.87	\$966,166.92	\$1,149,738.63
746	piston aluminio y caucho 5882829				UND	1	\$3,079,277.00	\$585,062.63	\$3,664,339.63	\$1,261,237.32	\$239,635.09	\$1,500,872.41	\$1,610,248.00	\$305,947.12	\$1,916,195.12	\$1,983,587.44	\$2,360,469.05
747	retenedor yoke 82193 item no contemplado				UND	1	\$934,808.76	\$177,613.66	\$1,112,422.42	\$1,204,746.00	\$228,901.74	\$1,433,647.74	\$2,324,280.00				

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO			
	REPUESTOS					VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA		
	DESCRIPCION																	
757	laínas ajuste pivote					UND	1	\$493,406.28	\$93,747.19	\$587,153.47	\$1,107,140.00	\$210,356.60	\$1,317,496.60	\$669,586.00	\$127,221.34	\$796,807.34	\$756,710.76	\$900,485.80
758	Solenoido bomba de inyeccion					UND	1	\$2,232,432.36	\$424,162.15	\$2,656,594.51	\$2,898,645.00	\$550,742.55	\$3,449,387.55	\$3,493,973.00	\$663,854.87	\$4,157,827.87	\$2,875,016.79	\$3,421,269.98
759	TAIL RING EXCAVATOR REAR					UND	1	\$30,884,335.00	\$5,868,023.65	\$36,752,358.65	\$25,381,592.64	\$4,822,502.60	\$30,204,095.24	\$58,767,712.00	\$69,933,577.28	\$69,933,577.28	\$38,344,546.55	\$45,630,010.39
760	PUNTA MANDO FINAL					UND	1	\$7,214,631.00	\$1,370,779.89	\$8,585,410.89	\$5,370,967.08	\$1,020,483.75	\$6,391,450.83	\$11,613,717.00	\$2,206,606.23	\$13,820,323.23	\$8,066,438.36	\$9,599,061.65
761	ROTULA DIRECCION					UND	1	\$5,888,809.00	\$1,118,873.71	\$7,007,682.71	\$2,315,053.08	\$439,860.09	\$2,754,913.17	\$2,990,662.00	\$568,225.78	\$3,558,887.78	\$3,731,508.03	\$4,440,494.55
762	pin punta eje solar 143597					UND	1	\$286,124.40	\$54,363.64	\$340,488.04	\$367,181.00	\$69,764.39	\$436,945.39	\$599,588.00	\$113,921.72	\$713,509.72	\$417,631.13	\$496,981.05
MANO DE OBRA																		
DESCRIPCION						UNIDAD	CANT											
763	Mantenimiento preventivo 250 horas					UND	1	\$783,301.00	\$148,827.19	\$932,128.19	\$886,581.00	\$168,450.39	\$1,055,031.39	\$620,932.68	\$117,977.21	\$738,909.89	\$763,604.89	\$908,689.82
764	Mantenimiento preventivo 500 horas					UND	1	\$549,502.56	\$104,405.49	\$653,908.05	\$663,575.00	\$126,079.25	\$789,654.25	\$731,740.00	\$139,030.60	\$870,770.60	\$648,272.52	\$771,444.30
765	Mantenimiento preventivo 1000 horas					UND	1	\$916,307.00	\$174,098.33	\$1,090,405.33	\$1,322,930.00	\$251,356.70	\$1,574,286.70	\$701,698.68	\$133,322.75	\$835,021.43	\$980,311.89	\$1,166,571.15
766	Mantenimiento preventivo 2000 horas					UND	1	\$932,209.00	\$177,119.71	\$1,109,328.71	\$664,936.92	\$126,338.01	\$791,274.93	\$748,523.00	\$142,219.37	\$890,742.37	\$781,889.64	\$930,448.67
767	Desmonte y montaje de motor					UND	1	\$892,991.00	\$169,668.29	\$1,062,659.29	\$709,183.44	\$134,744.85	\$843,928.29	\$961,413.00	\$182,668.47	\$1,144,081.47	\$854,529.15	\$1,016,889.68
768	rectificadora					GLOBAL	1	\$12,288,495.00	\$2,334,814.05	\$14,623,309.05	\$7,978,195.00	\$1,515,857.05	\$9,494,052.05	\$6,341,390.28	\$1,204,864.15	\$7,546,254.43	\$8,869,360.09	\$10,554,538.51
769	Desmontar y montar sensor temperatura y presion					UND	1	\$1,587,293.00	\$301,585.67	\$1,888,878.67	\$923,822.00	\$175,526.18	\$1,099,348.18	\$876,421.80	\$166,520.14	\$1,042,941.94	\$1,129,178.93	\$1,343,722.93
770	Desmonte y monte de servotransmision					UND	1	\$3,075,915.24	\$584,423.90	\$3,660,339.14	\$6,981,592.00	\$1,326,502.48	\$8,308,094.48	\$3,675,430.00	\$698,331.70	\$4,373,761.70	\$4,577,645.75	\$5,447,398.44
771	Reparacion general servo transmision cambio de partes en mal estado					GLOBAL	1	\$19,321,820.00	\$3,671,145.80	\$22,992,965.80	\$11,523,611.00	\$2,189,486.09	\$13,713,097.09	\$8,396,097.12	\$1,595,258.45	\$9,991,355.57	\$13,080,509.37	\$15,565,806.15
772	Desmontar y montar orbital direccion para su reparacion					UND	1	\$555,934.00	\$105,627.46	\$661,561.46	\$576,477.00	\$109,530.63	\$686,007.63	\$545,229.00	\$103,593.51	\$648,822.51	\$559,213.33	\$665,463.87
773	Desmontar y montar master baterias					UND	1	\$210,472.20	\$39,989.72	\$250,461.92	\$280,937.00	\$53,378.03	\$334,315.03	\$542,968.00	\$103,163.92	\$646,131.92	\$344,792.40	\$410,302.96
774	Desmontar y montar manguera superior e inferior radiador refrigeranto					UND	1	\$442,542.00	\$84,082.98	\$526,624.98	\$222,565.00	\$42,287.35	\$264,852.35	\$202,378.32	\$38,451.88	\$240,830.20	\$289,161.77	\$344,102.51
775	Desmontar y montar muelles exosto					UND	1	\$768,800.00	\$146,072.00	\$914,872.00	\$530,457.00	\$100,786.83	\$631,243.83	\$386,395.56	\$73,415.16	\$459,810.72	\$561,884.19	\$668,642.18
776	Desmontar y montar empaque tapa valvulas					UND	1	\$546,427.00	\$103,821.13	\$650,248.13	\$448,304.76	\$85,177.90	\$533,482.66	\$1,089,187.00	\$206,945.53	\$1,296,132.53	\$694,639.59	\$826,621.11
777	Desmontar y montar carter					UND	1	\$453,272.40	\$86,121.76	\$539,394.16	\$658,404.00	\$125,096.76	\$783,500.76	\$575,556.00	\$109,355.64	\$684,911.64	\$562,410.80	\$669,268.85
778	Desmontar y montar carcaza de volate de motor para cambio					UND	1	\$560,278.00	\$106,452.82	\$666,730.82	\$499,019.04	\$94,813.62	\$593,832.66	\$797,858.00	\$151,593.02	\$949,451.02	\$619,051.68	\$736,671.50
779	Desmontar y montar volante de motor					UND	1	\$3,429,196.00	\$651,547.24	\$4,080,743.24	\$1,832,085.00	\$348,096.15	\$2,180,181.15	\$1,446,980.76	\$274,926.34	\$1,721,907.10	\$2,236,087.25	\$2,660,943.83
780	Desmontar y montar tapa distribucion de motor					UND	1	\$771,706.00	\$146,624.14	\$918,330.14	\$428,757.48	\$81,463.92	\$510,221.40	\$574,943.00	\$109,239.17	\$684,182.17	\$591,802.16	\$704,244.57
781	Desmontar y montar guaya de freno de parqueo					UND	1	\$425,523.24	\$80,849.42	\$506,372.66	\$694,130.00	\$131,884.70	\$826,014.70	\$558,022.00	\$106,024.18	\$664,046.18	\$559,225.08	\$665,477.85
782	/transferencia					UND	1	\$2,382,292.00	\$452,635.48	\$2,834,927.48	\$4,641,100.00	\$881,809.00	\$5,522,909.00	\$1,971,576.36	\$374,599.51	\$2,346,175.87	\$2,998,322.79	\$3,568,004.12
783	Desmontar y montar interruptor multifuncion					UND	1	\$472,891.32	\$89,849.35	\$562,740.67	\$1,207,260.00	\$229,379.40	\$1,436,639.40	\$666,241.00	\$126,585.79	\$792,826.79	\$782,130.77	\$930,735.62
784	Desmontar y montar tubos de lubricacion turbo					UND	1	\$418,747.68	\$79,562.06	\$498,309.74	\$458,683.00	\$87,149.77	\$545,832.77	\$598,758.00	\$113,764.02	\$712,522.02	\$492,062.89	\$585,554.84
785	Desmontar y montar validado y enfocado de aire radiador					UND	1	\$419,882.04	\$79,777.59	\$499,659.63	\$458,793.00	\$87,170.67	\$545,963.67	\$837,610.00	\$159,145.90	\$996,755.90	\$572,095.01	\$680,793.07
786	Desmontar y montar termostato					UND	1	\$1,241,869.00	\$235,955.11	\$1,477,824.11	\$477,164.88	\$90,661.33	\$567,826.21	\$697,249.00	\$132,477.31	\$829,726.31	\$805,427.63	\$958,458.88
787	Desmontar y montar bomba de inyeccion					UND	1	\$4,230,304.00	\$803,757.76	\$5,034,061.76	\$2,595,904.00	\$493,221.76	\$3,089,125.76	\$1,856,224.35	\$352,682.63	\$2,208,906.98	\$2,894,144.12	\$3,444,031.50
788	Desmontar y montar inyectorces					UND	1	\$954,070.00	\$181,273.30	\$1,135,343.30	\$933,937.65	\$177,448.15	\$1,111,385.80	\$1,797,314.00	\$341,489.66	\$2,138,803.66	\$1,228,440.55	\$1,461,844.25
789	Desmontar y montar soporte de motor (uno solo)					UND	1	\$677,721.60	\$128,767.10	\$806,488.70	\$841,191.00	\$159,826.29	\$1,001,017.29	\$803,744.00	\$152,711.36	\$956,455.36	\$774,218.87	\$921,320.45
790	Lavadas y engrasadas					UND	1	\$1,288,890.00	\$244,889.10	\$1,533,779.10	\$1,191,596.00	\$226,403.24	\$1,417,999.24	\$874,621.08	\$166,178.01	\$1,040,799.09	\$1,118,369.03	\$1,330,859.14
791	Desmontar y montar tensor correo y polea loca motor					UND	1	\$2,645,047.00	\$502,558.93	\$3,147,605.93	\$2,523,355.92	\$479,437.62	\$3,002,793.54	\$5,269,670.00	\$1,001,237.30	\$6,270,907.30	\$3,479,357.64	\$4,140,435.59
792	Reconstrucción del balde frontal en general bases costados y fondo					UND	1	\$8,131,318.00	\$1,544,950.42	\$9,676,268.42	\$3,969,431.64	\$754,192.01	\$4,723,623.65	\$5,835,363.00	\$1,108,718.97	\$6,944,081.97	\$5,978,704.21	\$7,114,658.01
793	Reconstrucción del cucharon trasero bases costados y fondo					UND	1	\$10,038,171.00	\$1,907,252.49	\$11,945,423.49	\$5,956,467.00	\$1,131,728.73	\$7,088,195.73	\$4,271,472.36	\$811,579.75	\$5,083,052.11	\$6,755,370.12	\$8,038,890.44
794	stops					UND	1	\$1,126,263.00	\$213,989.97	\$1,340,252.97	\$856,555.92	\$162,745.62	\$1,019,301.54	\$972,610.00	\$184,795.90	\$1,157,405.90	\$985,142.97	\$1,172,320.14
795	Ajuste equipo trasero cambio de bujes y pasadores					UND	1	\$5,529,487.00	\$1,050,602.53	\$6,580,089.53	\$4,287,519.45	\$814,628.70	\$5,102,148.15	\$5,372,308.00	\$1,020,738.52	\$6,393,046.52	\$5,063,104.82	\$6,025,094.73
796	Ajuste equipo delantero cambio de bujes y pasadores					UND	1	\$4,015,329.30	\$762,912.57	\$4,778,241.87	\$5,955,310.00	\$1,131,508.90	\$7,086,818.90	\$10,803,954.00	\$2,052,751.26	\$12,856,705.26	\$6,924,864.43	\$8,240,588.68
797	Cambio De Dientes Del Boom (Incluye Corte De Tornillos O Pin)					UND	1	\$662,066.00	\$125,792.54	\$787,858.54	\$501,139.80	\$95,216.56	\$596,356.36	\$973,480.00	\$184,961.20	\$1,158,441.20	\$712,228.60	\$847,552.03
798	Cambio De Dientes Del Balde Delantero (Incluye Corte De Tornillos)					UND	1	\$544,119.84	\$103,382.77	\$647,502.61	\$804,880.00	\$152,927.20	\$957,807.20	\$1,141,872.00	\$216,955.68	\$1,358,827.68	\$830,290.61	\$988,045.83
799	Cambio De Cuchillas Del Balde Delantero (Incluye Corte De Tornillos)					JUEGO	1	\$526,212.00	\$99,980.28	\$626,192.28	\$852,273.00	\$161,931.87	\$1,014,204.87	\$612,777.00	\$116,418.13	\$729,145.13	\$663,737.33	\$789,847.43
800	Despachada De Llantas Traseras (19.5 X24)					UND	1	\$453,409.00	\$86,147.71	\$539,556.71	\$330,990.00	\$62,888.10	\$393,878.10	\$784,382.00	\$149,032.58	\$933,414.58	\$522,927.00	\$622,283.13
801	Montaje De Llantas traseras					UND	1	\$565,887.00	\$107,518.53	\$673,405.53	\$271,100.00	\$51,509.00	\$322,609.00	\$307,571.00	\$58,438.49	\$366,009.49	\$381,519.33	\$454,008.01
802	Montaje De Llantas Delanteras					UND	1	\$238,150.00	\$45,248.50	\$283,398.50	\$570,298.00	\$108,356.62	\$678,654.62	\$342,780.00	\$65,128.20	\$407,908.20	\$383,742.67	\$456,653.77
803	Despachada De Llantas delanteras					UND	1	\$301,605.00	\$57,304.95	\$358,909.95	\$422,116.00	\$80,202.04	\$502,318.04	\$250,420.00	\$47,579.80	\$297,999.80	\$324,713.67	\$386,409.26
804	Cambio De Manguera Hidráulicas (unas con otras)					UND	1	\$563,954.00	\$107,151.26	\$671,105.26	\$888,312.00	\$168,779.28	\$1,057,091.28	\$404,893.44	\$76,929.75	\$481,823.19	\$619,053.15	\$736,673.24
805	Cambio Correa Del Ventilador					UND	1	\$343,734.48	\$65,309.55	\$409,044.03	\$874,661.00	\$166,185.59	\$1,040,846.59	\$92,259.82				

ITEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO			
	REPUESTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA		
	DESCRIPCION																
814	Mantenimiento Sistema Hidráulico: Cambio De Filtros Aceites		CONJUNTO	1	\$2,939,920.00	\$558,584.80	\$3,498,504.80	\$1,107,833.40	\$210,488.35	\$1,318,321.75	\$1,489,419.00	\$282,989.61	\$1,772,408.61	\$1,845,724.13	\$2,196,411.72		
815	Instalacion de bomba de transferencia de combustible		UND	1	\$6,935,773.00	\$1,317,796.87	\$8,253,569.87	\$4,419,427.00	\$839,691.13	\$5,259,118.13	\$3,745,987.65	\$711,737.65	\$4,457,725.30	\$5,033,729.22	\$5,990,137.77		
816	Calibración bomba de inyeccion		UND	1	\$4,556,409.00	\$865,717.71	\$5,422,126.71	\$4,013,541.36	\$762,572.86	\$4,776,114.22	\$8,889,702.00	\$1,689,043.38	\$10,578,745.38	\$5,819,884.12	\$6,925,662.10		
817	partes afectadas		UND	1	\$3,759,622.00	\$714,328.18	\$4,473,950.18	\$1,397,298.60	\$265,486.73	\$1,662,785.33	\$1,961,582.00	\$372,700.58	\$2,334,282.58	\$2,372,834.20	\$2,823,672.70		
818	mal estado		UND	1	\$1,332,069.00	\$253,093.11	\$1,585,162.11	\$1,315,666.80	\$249,976.69	\$1,565,643.49	\$1,401,241.00	\$266,235.79	\$1,667,476.79	\$1,349,658.93	\$1,606,094.13		
819	Reacondicionar base de la cuchilla balde delantero y reforzar		UND	1	\$3,591,077.76	\$682,304.77	\$4,273,382.53	\$3,776,406.00	\$717,517.14	\$4,493,923.14	\$5,697,896.00	\$1,082,600.24	\$6,780,496.24	\$4,355,126.59	\$5,182,600.64		
820	de transmision		UND	1	\$2,215,030.00	\$420,855.70	\$2,635,885.70	\$869,629.68	\$165,229.64	\$1,034,859.32	\$1,141,468.00	\$216,878.92	\$1,358,346.92	\$1,408,709.23	\$1,676,363.98		
821	Arreglo balde trasero cambio de platina y soporte bujes		UND	1	\$7,597,129.00	\$1,443,454.51	\$9,040,583.51	\$5,125,155.00	\$973,779.45	\$6,098,934.45	\$3,903,294.60	\$741,625.97	\$4,644,920.57	\$5,541,859.53	\$6,594,812.84		
822	Cambio brazos de dirección (un lado)		UND	1	\$454,924.44	\$86,435.64	\$541,360.08	\$730,771.00	\$138,846.49	\$869,617.49	\$672,871.00	\$127,845.49	\$800,716.49	\$619,522.15	\$737,231.35		
823	Reparacion bomba de frenos		UND	1	\$741,445.92	\$140,874.72	\$882,320.64	\$1,730,219.00	\$328,741.61	\$2,058,960.61	\$957,940.00	\$182,008.60	\$1,139,948.60	\$1,143,201.64	\$1,360,409.95		
824	Desmontar y montar dados crucetas cardan		UND	1	\$366,592.68	\$69,652.61	\$436,245.29	\$651,410.00	\$123,767.90	\$775,177.90	\$382,257.00	\$454,885.83	\$72,628.83	\$466,753.23	\$555,346.34		
825	Cambio de solenoides bomba de inyeccion		UND	1	\$1,271,415.00	\$241,568.85	\$1,512,983.85	\$569,996.64	\$108,299.36	\$678,296.00	\$663,896.00	\$126,140.24	\$790,036.24	\$835,102.55	\$993,772.03		
826	Desmontar y montar banco eléctrico válvulas de marchas		UND	1	\$2,656,240.92	\$504,685.77	\$3,160,926.69	\$5,380,745.00	\$1,022,341.55	\$6,403,086.55	\$3,660,813.00	\$695,554.47	\$4,356,367.47	\$3,899,266.31	\$4,640,126.90		
827	Calibrada bomba de frenos y varillaje		UND	1	\$913,412.00	\$173,548.28	\$1,086,960.28	\$661,534.56	\$125,691.57	\$787,226.13	\$1,499,460.00	\$284,897.40	\$1,784,357.40	\$1,024,802.19	\$1,219,514.60		
828	Cambio pasador spool control hidraulico		UND	1	\$757,847.00	\$143,990.93	\$901,837.93	\$635,805.36	\$120,803.02	\$756,608.38	\$857,091.00	\$162,847.29	\$1,019,938.29	\$750,247.79	\$892,794.87		
829	Arreglo general de base silla operador.		UND	1	\$476,426.88	\$90,521.11	\$566,947.99	\$603,095.00	\$114,588.05	\$717,683.05	\$1,162,283.00	\$220,833.77	\$1,383,116.77	\$747,268.29	\$889,249.27		
830	Instalación de vidrios cabina (uno solo)		UND	1	\$388,600.56	\$73,834.11	\$462,434.67	\$581,828.00	\$110,547.32	\$692,375.32	\$529,230.00	\$100,553.70	\$629,783.70	\$499,886.19	\$594,864.56		
831	Desmontar y montar bomba de agua		UND	1	\$855,905.40	\$162,622.03	\$1,018,527.43	\$857,516.00	\$162,928.04	\$1,022,444.04	\$289,258.09	\$1,811,669.09	\$1,811,669.09	\$1,078,610.80	\$1,283,546.85		
832	empaquetadura (un solo lado)		UND	1	\$482,040.00	\$91,587.60	\$573,627.60	\$796,093.00	\$151,257.67	\$947,350.67	\$720,437.00	\$136,883.03	\$857,320.03	\$666,190.00	\$792,766.10		
833	Reparar válvula de control balde delantero		UND	1	\$4,966,713.00	\$943,675.47	\$5,910,388.47	\$4,782,280.00	\$908,633.20	\$5,690,913.20	\$3,266,726.76	\$620,678.08	\$3,887,404.84	\$4,338,573.25	\$5,162,902.17		
834	Cambio de valvula llanta		UND	1	\$173,269.00	\$32,921.11	\$206,190.11	\$121,559.76	\$23,096.35	\$144,656.11	\$296,929.00	\$56,416.51	\$353,345.51	\$197,252.59	\$234,730.58		
835	Reparacion general silla operador tapizado y estructura		UND	1	\$953,076.60	\$181,084.55	\$1,134,161.15	\$1,111,375.00	\$211,161.25	\$1,322,536.25	\$1,805,546.00	\$343,053.74	\$2,148,599.74	\$1,289,999.20	\$1,535,099.05		
836	Desmontar y montar crucetas cardan troque trasero		UND	1	\$771,249.24	\$146,537.36	\$917,786.60	\$1,704,658.00	\$323,885.02	\$2,028,543.02	\$963,706.00	\$183,104.14	\$1,146,810.14	\$1,146,537.75	\$1,364,379.92		
837	Desmontar y montar crucetas cardan troque delantero		UND	1	\$815,301.00	\$154,907.19	\$970,208.19	\$275,515.36	\$138,227.92	\$865,743.28	\$1,564,039.00	\$297,167.41	\$1,861,206.41	\$1,035,618.45	\$1,232,385.96		
838	Desmontar y montar crucetas eje doble un solo lado		UND	1	\$1,273,739.00	\$242,010.41	\$1,515,749.41	\$858,816.72	\$163,175.18	\$1,021,991.90	\$1,099,082.00	\$208,825.58	\$1,307,907.58	\$1,077,212.57	\$1,281,882.96		
839	Revision y mantenimiento de los cardanes y cambio de crucetas		UND	1	\$1,167,027.00	\$221,735.13	\$1,388,762.13	\$685,418.40	\$130,229.50	\$815,647.90	\$894,965.00	\$170,043.35	\$1,065,008.35	\$915,803.47	\$1,089,806.13		
840	Cambio de rotulas y terminales del cilindro de direccion y alineacion		UND	1	\$1,655,517.00	\$314,548.23	\$1,970,065.23	\$1,066,224.00	\$202,582.56	\$1,268,806.56	\$821,199.60	\$156,027.92	\$977,227.52	\$1,180,980.20	\$1,405,366.44		
841	Bajar sillin soporte boom para cambio		UND	1	\$992,981.52	\$188,666.49	\$1,181,648.01	\$2,455,723.00	\$466,587.37	\$2,922,310.37	\$1,247,157.00	\$236,959.83	\$1,484,116.83	\$1,565,287.17	\$1,862,691.74		
842	cilindro del boom		CONJUNTO	1	\$895,745.84	\$177,791.71	\$1,113,537.55	\$1,145,059.00	\$217,561.21	\$1,362,620.21	\$1,259,565.00	\$239,317.35	\$1,498,882.35	\$1,113,456.61	\$1,325,013.37		
843	Ajuste del cilindro del balde y cambio de bujes y pasadores balde		UND	1	\$408,801.00	\$77,672.19	\$486,473.19	\$806,466.00	\$153,228.54	\$959,694.54	\$310,097.16	\$58,918.46	\$1,008,612.02	\$508,454.72	\$605,061.12		
844	3/8 antidesgaste, soldadura de patines, recuperar laterales y recuperar bases		CONJUNTO	1	\$13,449,115.80	\$2,555,332.00	\$16,004,447.80	\$22,295,414.00	\$4,236,128.66	\$26,531,542.66	\$14,514,599.00	\$2,757,773.81	\$17,272,372.81	\$16,753,042.93	\$19,936,121.09		
845	Arreglo luces direccionales y lamparas de trabajo		UND	1	\$902,504.00	\$171,475.76	\$1,073,979.76	\$583,372.00	\$110,840.68	\$694,212.68	\$83,361.34	\$522,105.22	\$641,539.96	\$763,432.55			
846	Mantenimiento sistema de combustible lavado tanque		CONJUNTO	1	\$1,265,888.00	\$240,518.72	\$1,506,406.72	\$1,660,287.00	\$315,454.53	\$1,975,741.53	\$994,068.36	\$188,872.99	\$1,182,941.35	\$1,306,747.79	\$1,555,029.87		
847	Mantenimiento servotransmision cambio de filtros y aceite		UND	1	\$1,717,792.00	\$326,380.48	\$2,044,172.48	\$2,998,867.00	\$569,784.73	\$3,568,651.73	\$3,163,850.75	\$221,131.64	\$1,384,982.39	\$1,960,169.92	\$2,332,602.20		
848	Reparacion de bornes de bateria		UND	1	\$275,321.00	\$52,310.99	\$327,631.99	\$178,353.00	\$33,887.07	\$212,240.07	\$263,555.00	\$50,075.45	\$313,630.45	\$239,076.33	\$284,500.84		
849	Buje separador de chapetas brazo balde		UND	1	\$726,409.44	\$138,017.79	\$864,427.23	\$1,385,989.00	\$263,337.91	\$1,649,326.91	\$732,736.00	\$139,219.84	\$871,955.84	\$948,378.15	\$1,128,569.99		
850	reparacion del sistema de frenos, cambio de discos separadores,		CONJUNTO	1	\$33,779,881.00	\$6,418,177.39	\$40,198,058.39	\$19,887,917.00	\$3,778,704.23	\$23,666,621.23	\$16,134,138.36	\$3,065,486.29	\$19,199,624.65	\$23,267,312.12	\$27,688,101.42		
851	(lado)		CONJUNTO	1	\$1,465,599.00	\$278,463.81	\$1,744,062.81	\$2,223,786.00	\$422,519.34	\$2,646,305.34	\$1,006,737.84	\$191,280.19	\$1,198,018.03	\$1,565,374.28	\$1,862,795.39		
852	Cambio de buje trocha y arandelas		UND	1	\$563,857.00	\$107,132.83	\$670,989.83	\$486,248.40	\$92,387.20	\$578,635.60	\$1,018,006.00	\$193,421.14	\$1,211,427.14	\$689,370.47	\$820,350.86		
853	Bajar troque delantero completo		CONJUNTO	1	\$3,550,641.00	\$674,621.79	\$4,225,262.79	\$2,172,586.68	\$412,791.47	\$2,585,378.15	\$3,073,119.00	\$583,892.61	\$3,657,011.61	\$2,932,115.56	\$3,489,217.52		
854	Desmontar y montar turbo		UND	1	\$1,521,944.00	\$289,169.36	\$1,811,113.36	\$1,316,780.00	\$250,188.20	\$1,566,968.20	\$899,445.60	\$170,894.66	\$1,070,340.26	\$1,246,056.53	\$1,482,807.27		
855	Reparacion general turbo incluye cambio de partes afectadas		GLOBAL	1	\$3,582,472.68	\$680,669.81	\$4,263,142.49	\$3,743,506.00	\$711,266.14	\$4,454,772.14	\$4,988,773.00	\$947,866.87	\$5,936,639.87	\$4,104,917.23	\$4,884,851.50		
856	Cambio bujes y pasadores del balde trasero		UND	1	\$1,776,427.00	\$337,521.13	\$2,113,948.13	\$1,129,158.00	\$214,540.02	\$1,343,698.02	\$1,121,125.68	\$213,013.88	\$1,334,139.56	\$1,342,236.89	\$1,597,261.90		
857	Instalacion de bujes y pasadores balde delantero		UND	1	\$677,627.64	\$128,749.25	\$806,376.89	\$1,012,363.00	\$192,348.97	\$1,204,711.97	\$819,001.00	\$155,610.19	\$974,611.19	\$836,330.55	\$995,233.35		
858	Cambio de bujes y pasadores de los estabilizadores		UND	1	\$1,125,605.00	\$213,864.95	\$1,339,469.95	\$644,719.32	\$122,496.67	\$767,215.99	\$820,074.00	\$155,814.06	\$975,888.06	\$863,466.11	\$1,027,524.67		
859	cambio		UND	1	\$1,493,581.68	\$283,780.52	\$1,777,362.20	\$1,919,593.00	\$364,722.67	\$2,284,315.67	\$1,814,966.00	\$344,843.54	\$2,159,809.54	\$1,742,713.56	\$2,073,829.14		
860	Cambio tubo H biselar, soldar, relleno y refuerzo en platina		UND	1	\$5,234,896.00	\$994,630.24	\$6,229,526.24	\$3,519,483.84	\$668,701.93	\$4,188,185.77	\$8,394,104.00	\$1,594,679.16	\$9,988,983.16	\$5,716,161.28	\$6,802,231.92		
861	rodamientos (un solo lado)		UND	1	\$1,441,498.32	\$273,884.68	\$1,715,383.00	\$3,069,127.00	\$583,134.13	\$3,652,261.13	\$1,944,329.10	\$355,671.39	\$2,299,999.49	\$2,048,171.77	\$2,437,324.41		
862	rodamientos chanelas rodamientos bocin (un solo lado)		UND	1	\$1,539,123.00	\$292,433.37	\$1,831,556.37	\$1,									

ÍTEM	MOTONIVELADORA CATERPILLAR 120 K	UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION													
873	Revision de switch de controles hidraulicos	UND	1	\$865,607.40	\$164,465.41	\$1,030,072.81	\$869,321.00	\$165,170.99	\$1,034,491.99	\$1,377,296.00	\$261,686.24	\$1,638,982.24	\$1,037,408.13	\$1,234,515.68
874	Cambio buje de levas	UND	1	\$673,516.00	\$127,968.04	\$801,484.04	\$476,612.28	\$90,556.33	\$567,168.61	\$207,198.00	\$229,367.62	\$1,436,565.62	\$785,775.43	\$935,072.76
875	Desmontar y montar culata motor	UND	1	\$5,920,863.75	\$1,124,964.11	\$7,045,827.86	\$7,537,608.00	\$1,432,145.52	\$8,969,753.52	\$11,189,661.00	\$2,126,035.59	\$13,315,696.59	\$8,216,044.25	\$9,777,092.66
876	Reparacion general culata incluye mano de obra mecanica y rectificadora	GLOBAL	1	\$9,605,047.00	\$1,824,958.93	\$11,430,005.93	\$6,229,136.88	\$1,183,536.01	\$7,412,672.89	\$7,848,215.00	\$1,491,160.85	\$9,339,375.85	\$7,894,132.96	\$9,394,018.22
877	35x40cm	UND	1	\$3,343,705.56	\$635,304.06	\$3,979,009.62	\$4,256,305.00	\$808,697.95	\$5,065,002.95	\$3,414,062.00	\$648,671.78	\$4,062,733.78	\$3,671,357.52	\$4,368,915.45
878	55x72cm	UND	1	\$3,301,617.00	\$627,307.23	\$3,928,924.23	\$5,762,790.00	\$1,094,930.10	\$6,857,720.10	\$2,750,320.08	\$522,560.82	\$3,272,880.90	\$3,938,242.36	\$4,686,508.41
879	115x80cm	UND	1	\$3,683,230.00	\$699,813.70	\$4,383,043.70	\$3,477,748.00	\$660,772.12	\$4,138,520.12	\$2,915,852.76	\$554,012.02	\$3,469,864.78	\$3,358,943.59	\$3,997,142.87
880	Reparacion de piston de botella estabilizadora	UND	1	\$1,525,316.00	\$289,810.04	\$1,815,126.04	\$2,254,427.00	\$428,341.13	\$2,682,768.13	\$1,047,314.88	\$198,989.83	\$1,246,304.71	\$1,609,019.29	\$1,914,732.96
881	Reconstruccion y soldada de bases retenedores trocha delantera	UND	1	\$2,796,787.00	\$531,389.53	\$3,328,176.53	\$2,341,383.00	\$444,862.77	\$2,786,245.77	\$1,928,752.56	\$366,462.99	\$2,295,215.55	\$2,355,640.85	\$2,803,212.62
882	Lavada y sondeada de radiador	UND	1	\$728,024.04	\$138,324.57	\$866,348.61	\$944,124.00	\$179,383.56	\$1,123,507.56	\$1,850,633.00	\$351,620.27	\$2,202,253.27	\$1,174,260.35	\$1,397,369.81
883	Cambio de platina refuerzo orejas balde boom	UND	1	\$2,720,294.00	\$516,855.86	\$3,237,149.86	\$2,504,744.00	\$475,901.36	\$2,980,645.36	\$2,396,857.68	\$455,402.96	\$2,852,260.64	\$2,540,631.89	\$3,023,351.95
884	Ajuste del equipo de terrastre balde y articulacion	UND	1	\$3,399,516.00	\$645,908.04	\$4,045,424.04	\$2,417,273.28	\$459,281.92	\$2,876,555.20	\$4,476,840.00	\$850,599.60	\$5,327,439.60	\$3,431,209.76	\$4,083,139.61
885	Ajuste del equipo delantero balde	UND	1	\$3,529,632.00	\$670,630.08	\$4,200,262.08	\$2,584,258.92	\$491,009.19	\$3,075,268.11	\$5,291,045.00	\$1,005,298.55	\$6,296,343.55	\$3,801,645.31	\$4,523,957.81
886	Instalacion de cardan	UND	1	\$511,988.00	\$97,277.72	\$609,265.72	\$541,349.00	\$102,856.31	\$644,205.31	\$389,889.36	\$74,078.98	\$463,968.34	\$481,075.45	\$572,497.79
887	Soldada de base de dientes y reforzada de base con lateral en platina de 1/2	UND	1	\$3,549,961.00	\$674,492.59	\$4,224,453.59	\$3,659,322.00	\$695,271.18	\$4,354,593.18	\$3,549,681.00	\$674,439.39	\$4,224,120.39	\$3,586,321.33	\$4,267,722.39
888	Calibración inyector	UND	1	\$435,382.00	\$82,722.58	\$518,104.58	\$397,020.24	\$75,433.85	\$472,454.09	\$762,715.00	\$144,915.85	\$907,630.85	\$531,705.75	\$632,729.84
889	ajuste y alineada	UND	1	\$1,195,655.04	\$227,174.46	\$1,422,829.50	\$2,214,206.00	\$420,699.14	\$2,634,905.14	\$1,416,195.00	\$269,077.05	\$1,685,272.05	\$1,608,685.35	\$1,914,335.56
890	Desmontar instalar pesas de la trocha	UND	1	\$1,270,845.00	\$241,460.55	\$1,512,305.55	\$543,134.16	\$103,195.49	\$646,329.65	\$694,183.00	\$131,894.77	\$826,077.77	\$836,054.05	\$994,904.32
891	lado)	UND	1	\$547,088.04	\$103,946.73	\$651,034.77	\$775,552.00	\$147,356.00	\$922,918.78	\$250,449.26	\$1,568,603.26	\$880,268.01	\$1,047,518.94	
892	Cambio filtro AK	UND	1	\$175,098.00	\$33,268.62	\$208,366.62	\$99,553.60	\$17,015.18	\$106,568.78	\$133,269.00	\$25,321.11	\$158,590.11	\$132,640.20	\$157,841.84
893	Bajar rueda trasera y catarinas para cambio de sellos retenedores	UND	1	\$1,063,778.00	\$202,117.82	\$1,265,895.82	\$797,010.84	\$151,432.06	\$948,442.90	\$1,243,638.00	\$236,291.22	\$1,479,929.22	\$1,034,808.95	\$1,231,422.65
894	balde trasero	UND	1	\$1,264,918.00	\$240,334.42	\$1,505,252.42	\$2,404,567.00	\$456,867.73	\$2,861,434.73	\$1,028,655.36	\$195,444.52	\$1,224,099.88	\$1,566,046.79	\$1,863,595.68
895	Bujes del tunel que sujeta balde trasero	UND	1	\$991,073.00	\$188,303.87	\$1,179,376.87	\$553,022.00	\$105,074.18	\$658,096.18	\$516,402.72	\$98,116.52	\$614,519.24	\$686,832.57	\$817,330.76
896	soldada de tapas	UND	1	\$1,916,384.00	\$364,112.96	\$2,280,496.96	\$3,549,742.00	\$674,450.98	\$4,224,192.98	\$243,190.45	\$1,523,140.21	\$2,244,691.92	\$2,675,943.38	
897	pintura pieza pequeña	UND	1	\$1,310,170.00	\$248,932.30	\$1,559,102.30	\$913,539.96	\$173,572.59	\$1,087,112.55	\$966,398.00	\$183,615.62	\$1,150,013.62	\$1,063,369.32	\$1,265,409.49
898	pintura pieza grande	UND	1	\$869,086.00	\$165,126.34	\$1,034,212.34	\$1,314,813.00	\$249,814.47	\$1,564,627.47	\$733,737.96	\$139,410.21	\$873,148.17	\$972,545.65	\$1,157,329.33
899	Pintura en pieza de la H	UND	1	\$672,238.00	\$127,725.22	\$799,963.22	\$514,409.04	\$97,737.72	\$612,146.76	\$1,237,289.00	\$235,084.91	\$1,472,373.91	\$897,978.68	\$961,494.63
900	Cambio pasador spool del control	UND	1	\$816,197.00	\$155,077.43	\$971,274.43	\$1,492,520.00	\$283,578.80	\$1,776,098.80	\$616,944.24	\$117,219.41	\$734,163.65	\$975,220.41	\$1,160,512.29
901	Intalacion de controles hidraulicos del stick y de estabilizador	UND	1	\$521,071.92	\$99,003.66	\$620,075.58	\$1,294,544.00	\$245,963.36	\$1,540,507.36	\$758,938.00	\$144,198.22	\$903,136.22	\$858,184.64	\$1,021,239.72
902	Desmonatar y montar bomba hidraulica principal para su repacion general	UND	1	\$4,392,130.05	\$834,504.71	\$5,226,634.76	\$6,360,663.00	\$1,208,525.97	\$7,569,188.97	\$8,313,163.00	\$1,579,500.97	\$9,892,663.97	\$6,355,318.68	\$7,562,829.23
903	cambio de empaquetadura	UND	1	\$8,561,812.00	\$1,626,744.28	\$10,188,556.28	\$3,720,240.36	\$706,845.67	\$4,427,086.03	\$4,913,612.00	\$944,986.28	\$5,918,598.28	\$5,751,888.12	\$6,844,746.86
904	cambio de empaquetadura	UND	1	\$18,461,667.00	\$3,507,716.73	\$21,969,383.73	\$9,265,135.00	\$1,760,515.65	\$11,025,650.65	\$7,454,576.88	\$8,870,946.61	\$18,700,946.49	\$11,727,126.29	\$13,955,280.29
905	empaquetaduras (un lado)	UND	1	\$3,612,333.60	\$686,343.38	\$4,298,676.98	\$5,402,833.00	\$1,026,538.27	\$6,429,371.27	\$9,887,681.00	\$1,878,659.39	\$11,766,340.39	\$6,300,949.20	\$7,498,129.55
906	Revision y mantenimiento de las valvulas de alivio	UND	1	\$910,786.00	\$173,049.34	\$1,083,835.34	\$660,037.00	\$125,407.03	\$785,444.03	\$460,023.48	\$87,404.46	\$547,427.94	\$676,948.83	\$805,569.10
907	Mantenimiento bomba hidraulica principal	UND	1	\$12,471,561.00	\$2,369,596.59	\$14,841,157.59	\$6,788,511.00	\$1,289,817.09	\$8,078,328.09	\$4,531,759.65	\$861,034.33	\$5,392,793.98	\$7,930,610.55	\$9,437,426.55
908	Calibrar bomba hidraulica y los dos bancos de valvulas	UND	1	\$7,893,342.00	\$1,499,734.98	\$9,393,076.98	\$5,672,716.56	\$1,077,816.15	\$6,750,532.71	\$8,133,455.00	\$1,545,356.45	\$9,678,811.45	\$7,233,171.19	\$8,607,473.71
909	Corte de pasadores con oxicorte y postura de dientes nuevos	UND	1	\$2,133,467.00	\$405,358.73	\$2,538,825.73	\$2,621,676.00	\$498,118.44	\$3,119,794.44	\$2,027,604.24	\$385,244.81	\$2,412,849.05	\$2,260,915.75	\$2,690,489.74
910	Cambio de conector de inducido de arranque	UND	1	\$377,324.28	\$71,691.61	\$449,015.89	\$412,442.00	\$78,363.98	\$490,805.98	\$722,113.00	\$137,201.47	\$859,314.47	\$503,959.76	\$599,712.11
911	Cambio mangueras cilindros estabilizadores	UND	1	\$402,973.00	\$76,564.87	\$479,537.87	\$317,398.68	\$60,305.75	\$377,704.43	\$632,259.00	\$120,129.21	\$752,388.21	\$450,876.89	\$536,543.50
912	Cambio empaquetaduras y enfriador de aceite motor	UND	1	\$1,474,090.00	\$280,077.10	\$1,754,167.10	\$771,334.56	\$146,553.57	\$917,888.13	\$1,143,421.00	\$217,249.99	\$1,360,670.99	\$1,129,615.19	\$1,344,242.07
913	combustible, filtros AK y gato timon	GLOBAL	1	\$5,357,975.00	\$1,018,015.25	\$6,375,990.25	\$3,698,288.00	\$702,674.72	\$4,400,962.72	\$2,766,949.92	\$525,720.48	\$3,292,670.40	\$3,941,070.97	\$4,689,874.46
914	Remocion e instalacion soporte gato del balde delantero	UND	1	\$967,992.00	\$183,918.48	\$1,151,910.48	\$468,648.00	\$89,043.12	\$557,691.12	\$642,592.00	\$122,092.48	\$764,684.48	\$693,077.33	\$824,762.03
915	Cambio de tubo estabilizador	UND	1	\$631,804.00	\$120,042.76	\$751,846.76	\$426,449.88	\$81,025.48	\$507,475.36	\$590,334.00	\$112,163.46	\$702,497.46	\$549,529.29	\$653,939.86
916	Reconstruccion y metalizada pasador superior sillin	UND	1	\$962,001.00	\$182,780.19	\$1,144,781.19	\$1,175,809.00	\$223,403.71	\$1,399,212.71	\$871,668.72	\$165,617.06	\$1,037,285.78	\$1,003,159.57	\$1,193,759.89
917	Reconstruccion y metalizada pasador inferior sillin	UND	1	\$1,132,864.00	\$215,244.16	\$1,348,108.16	\$904,401.72	\$171,836.33	\$1,076,238.05	\$1,262,766.00	\$239,925.54	\$1,502,691.54	\$1,100,010.57	\$1,209,012.58
918	Bajar equipo trasero para cambio de bujes pasadores y ajuste	UND	1	\$2,083,399.92	\$395,845.98	\$2,479,245.90	\$3,211,900.00	\$610,261.00	\$3,822,161.00	\$2,096,286.00	\$398,294.34	\$2,494,580.34	\$2,463,861.97	\$2,931,995.75
919	Desmontar el equipo delantero para cambio de bujes y pasadores	UND	1	\$2,101,827.00	\$399,347.13	\$2,501,174.13	\$2,001,933.36	\$380,367.34	\$2,382,300.70	\$2,400,558.00	\$456,106.02	\$2,856,664.02	\$2,168,106.12	\$2,580,046.28
920	bujes	UND	1	\$1,838,383.20	\$349,292.81	\$2,187,676.01	\$1,848,967.00	\$351,303.73	\$2,200,270.73	\$1,884,025.00	\$357,964.75	\$2,241,989.75	\$1,857,125.07	\$2,209,978.83
921	Desmontar valvula de presion de la bomba de inyeccion para mantenimiento	UND	1	\$895,376.16	\$170,121.47	\$1,065,497.63	\$1,465,159.00	\$278,380.21	\$1,743,539.21	\$1,090,579.00	\$207,210.01	\$1,297,789.01	\$1,150,371.39	\$1,368,941.95
922	metalizada bases en torno eje trocha	UND	1	\$5,495,847.00	\$1,044,210.93	\$6,540,057.93	\$3,838,998.24	\$729,409.67	\$4,568,407.91	\$4,519,923.00	\$858,785.37	\$5,378,708.37	\$4,618,256.08	\$5,495,724.74
923	reconstruccion de cono eje	UND	1	\$2,379,744.00	\$452,151.36	\$2,831,895.36	\$1,364,733.00	\$259,299.27	\$1,624,032.27	\$1,032,936.48	\$196,257.93	\$1,229,194.41	\$1,592,471.16	\$1,895,040.68
924	mantenimiento	UND	1	\$1,165,517.00	\$221,448.23	\$1,386,965.23	\$474,805.50	\$90,213.04	\$565,018.54	\$662,978.00	\$125,965.82	\$788,943.82	\$767,766.83	\$913,642.53
925	Servicio de grua en camabaja incluido cabezote precio por kilometros	UND	1	\$66,469.00	\$12,629.11	\$79,098.11	\$52,253.28	\$9,928.12	\$62,181.40	\$86,358.00	\$16,408.02	\$102,766.02	\$68,360.09	\$81,348.51
	EXCAVADORA KOMATSU PC228US													
	REPUESTOS													
	DESCRIPCION	UNIDAD	CANT											
926	Filtro elemento tanque hidraulico	UND	1	\$571,661.00	\$108,615.59	\$680,276.59	\$406,443.30	\$77,224.23	\$483,667.53	\$505,424.00	\$96,030.56	\$601,454.56	\$494,509.43	\$588,466.2

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUSTOS		VR. UNITARIO SIN IVA			IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA	
	DESCRIPCION															
929	Filtro de aceite 6735-51-5143		UND	1	\$411,754.20	\$78,233.30	\$489,987.50	\$726,518.00	\$138,038.42	\$864,556.42	\$487,621.00	\$92,647.99	\$580,268.99	\$541,964.40	\$644,937.64	
930	Filtro de combustible 6732716111		UND	1	\$447,441.90	\$85,013.96	\$532,455.86	\$590,638.00	\$112,221.22	\$702,859.22	\$528,445.00	\$100,404.55	\$628,849.55	\$522,174.97	\$621,388.21	
931	Filtro Separador 600-319-3610		UND	1	\$503,511.00	\$95,667.09	\$599,178.09	\$418,519.00	\$79,518.61	\$498,037.61	\$320,339.40	\$60,864.49	\$381,203.89	\$414,123.13	\$492,806.53	
932	Filtro hidraulico 1956-01-6320		UND	1	\$556,414.80	\$105,718.81	\$662,133.61	\$1,020,640.00	\$193,921.60	\$1,214,561.60	\$625,673.00	\$118,877.87	\$744,550.87	\$734,242.60	\$873,748.69	
933	Empaquetadura bomba hidraulico principal		UND	1	\$9,852,250.00	\$1,871,927.50	\$11,724,177.50	\$4,979,828.88	\$946,167.49	\$5,925,996.37	\$5,599,718.00	\$1,063,946.42	\$6,663,664.42	\$6,810,598.96	\$8,104,612.76	
934	Empaquetadura motor de traslacion		UND	1	\$1,398,316.00	\$265,680.04	\$1,663,996.04	\$1,233,115.00	\$234,291.85	\$1,467,406.85	\$890,659.08	\$169,225.23	\$1,059,884.31	\$1,174,030.03	\$1,397,095.73	
935	Empaquetadura botella boom 707-98-46300		UND	1	\$1,383,222.00	\$262,812.18	\$1,646,034.18	\$938,227.68	\$178,263.26	\$1,116,490.94	\$1,939,914.00	\$368,583.66	\$2,308,497.66	\$1,420,454.56	\$1,690,340.93	
936	Empaquetadura botella stick 707-98-48610		UND	1	\$801,217.44	\$152,231.31	\$953,448.75	\$885,623.00	\$168,268.37	\$1,053,891.37	\$1,366,345.00	\$259,605.55	\$1,625,950.55	\$1,017,728.48	\$1,211,096.89	
937	Empaquetadura botella balde 707-98-39610		UND	1	\$1,197,157.00	\$227,459.83	\$1,424,616.83	\$932,515.56	\$177,177.96	\$1,109,693.52	\$1,735,492.00	\$329,743.48	\$2,065,235.48	\$1,288,388.19	\$1,533,181.94	
938	Kit de empaques banco de valvulas principal		JUEGO	1	\$12,562,088.00	\$2,386,796.72	\$14,948,884.72	\$8,493,580.00	\$1,613,780.20	\$10,107,360.20	\$5,741,242.20	\$1,090,836.02	\$6,832,078.22	\$8,932,303.40	\$10,629,441.05	
939	Sensor de presion de aceite de motor		UND	1	\$1,246,989.00	\$236,927.91	\$1,483,916.91	\$2,296,567.00	\$436,347.73	\$2,732,914.73	\$879,665.40	\$167,136.43	\$1,046,801.83	\$1,474,407.13	\$1,754,544.49	
940	Sensor de temperatura de refrigerante motor		UND	1	\$1,744,256.00	\$331,408.64	\$2,075,664.64	\$1,001,260.00	\$190,239.40	\$1,191,499.40	\$817,897.68	\$155,400.56	\$973,298.24	\$1,187,804.56	\$1,413,487.43	
941	Sensor de nivel de combustible		UND	1	\$1,776,079.00	\$337,455.01	\$2,113,534.01	\$1,015,871.00	\$193,015.49	\$1,208,886.49	\$710,121.24	\$134,923.04	\$845,044.28	\$1,167,357.08	\$1,389,154.93	
942	Respiradero tanque hidraulico 22U-60-21520		UND	1	\$1,053,605.16	\$200,184.98	\$1,253,790.14	\$1,440,854.00	\$273,762.26	\$1,714,616.26	\$1,254,653.00	\$238,384.07	\$1,493,037.07	\$1,249,704.05	\$1,487,147.82	
943	45gados		UND	1	\$697,860.60	\$132,593.51	\$830,454.11	\$750,490.00	\$142,593.10	\$893,083.10	\$883,766.00	\$167,915.54	\$1,051,681.54	\$777,372.20	\$925,072.92	
944	Manguera hidraulica R13 3/4 con Acoples x 85 cm		UND	1	\$1,387,847.00	\$263,690.93	\$1,651,537.93	\$650,420.10	\$123,579.82	\$773,999.92	\$762,153.00	\$144,809.07	\$906,962.07	\$933,473.37	\$1,110,833.31	
945	Manguera hidraulica 3/4 x 4000 PSI x 1.61 MTS con acoples		UND	1	\$918,873.00	\$174,585.87	\$1,093,458.87	\$1,603,026.00	\$304,574.94	\$1,907,600.94	\$745,569.90	\$141,658.28	\$887,228.18	\$1,089,156.30	\$1,296,096.00	
946	Manguera hidraulica 3/4 x 4000 PSI X2.40 MTS con acoples		UND	1	\$649,038.60	\$123,317.33	\$772,355.93	\$922,864.00	\$175,344.16	\$1,098,208.16	\$854,358.00	\$162,328.02	\$1,016,686.02	\$808,753.53	\$962,416.70	
947	Manguera hidraulica 1/4 x 0.57 mts con acoples		UND	1	\$795,227.00	\$151,093.13	\$946,320.13	\$934,973.00	\$177,644.87	\$1,112,617.87	\$781,139.10	\$148,416.43	\$929,555.53	\$837,113.03	\$996,164.51	
948	Soporte de motor trasero		UND	1	\$1,044,364.00	\$198,429.16	\$1,242,793.16	\$719,943.04	\$136,770.18	\$856,613.22	\$819,599.00	\$155,723.81	\$975,322.81	\$861,268.68	\$1,024,909.73	
949	Correa de motor		UND	1	\$1,729,964.00	\$328,693.16	\$2,058,657.16	\$1,175,519.00	\$223,348.61	\$1,398,867.61	\$1,104,064.56	\$209,772.27	\$1,313,836.83	\$1,336,515.85	\$1,590,453.87	
950	Switch master		UND	1	\$2,958,209.00	\$562,059.71	\$3,520,268.71	\$1,348,709.76	\$256,254.85	\$1,604,964.61	\$1,629,931.00	\$309,686.89	\$1,939,617.89	\$1,978,949.92	\$2,354,950.40	
951	Termostato motor		UND	1	\$778,064.40	\$147,832.24	\$925,896.64	\$956,594.00	\$181,752.86	\$1,138,346.86	\$877,399.00	\$166,705.81	\$1,044,104.81	\$870,685.80	\$1,036,116.10	
952	Valvula piloto bomba principal		UND	1	\$1,326,165.12	\$251,971.37	\$1,578,136.49	\$2,191,251.00	\$416,337.69	\$2,607,588.69	\$1,472,221.00	\$279,721.99	\$1,751,942.99	\$1,663,212.37	\$1,979,222.72	
953	Turbo		UND	1	\$13,568,919.48	\$2,578,094.70	\$16,147,014.18	\$19,976,363.00	\$3,795,508.97	\$23,771,871.97	\$25,491,218.00	\$4,843,331.42	\$30,334,549.42	\$19,678,833.49	\$23,417,811.86	
954	Radiador		UND	1	\$9,590,494.32	\$1,822,193.92	\$11,412,688.24	\$10,173,552.00	\$1,932,974.88	\$12,106,526.88	\$20,312,666.00	\$3,859,406.54	\$24,172,072.54	\$13,358,904.11	\$15,897,095.89	
955	Enfriador de aceite motor		UND	1	\$3,824,868.24	\$726,724.97	\$4,551,593.21	\$6,666,369.00	\$1,266,610.11	\$7,932,979.11	\$5,496,476.00	\$1,044,330.44	\$6,540,806.44	\$5,329,237.75	\$6,341,792.92	
956	Intercooler		UND	1	\$6,724,560.60	\$1,277,666.51	\$8,002,227.11	\$15,730,225.00	\$2,988,742.75	\$18,718,967.75	\$8,314,406.00	\$1,579,737.14	\$9,894,143.14	\$10,256,397.20	\$12,205,112.67	
957	Valvula solenoido 20Y-60-32120		UND	1	\$3,180,352.00	\$604,266.88	\$3,784,618.88	\$4,049,699.00	\$769,442.81	\$4,819,141.81	\$2,215,769.40	\$420,996.19	\$2,636,765.59	\$3,148,606.80	\$3,746,842.09	
958	Guaya control motor		UND	1	\$1,691,906.04	\$321,462.15	\$2,013,368.19	\$2,389,645.00	\$454,032.55	\$2,843,677.55	\$3,149,236.00	\$598,354.84	\$3,747,590.84	\$2,410,262.35	\$2,868,212.00	
959	Alternador		UND	1	\$5,808,858.00	\$1,103,683.02	\$6,912,541.02	\$3,293,254.20	\$625,718.30	\$3,918,972.50	\$4,692,392.00	\$891,554.48	\$5,583,946.48	\$4,598,168.07	\$5,471,820.00	
960	Motor de arranque		UND	1	\$10,618,178.00	\$2,017,453.82	\$12,635,631.82	\$3,926,381.40	\$746,012.47	\$4,672,393.87	\$5,834,633.00	\$1,108,580.27	\$6,943,213.27	\$6,793,064.13	\$8,083,746.32	
961	Valvul de alivio principal		UND	1	\$2,345,912.00	\$445,723.28	\$2,791,635.28	\$12,635,631.82	\$2,791,635.28	\$990,815.76	\$1,179,070.75	\$1,400,497.00	\$266,094.43	\$1,666,591.43	\$1,579,074.92	
962	Carril superior 20Y-30-00022		UND	1	\$2,568,403.00	\$487,996.57	\$3,056,399.57	\$4,726,840.00	\$898,099.60	\$5,624,939.60	\$2,310,194.16	\$438,936.89	\$2,749,131.05	\$3,201,812.39	\$3,810,156.74	
963	Carril inferior 20Y-30-00016		UND	1	\$1,833,591.60	\$348,382.40	\$2,181,974.00	\$4,143,285.00	\$787,224.15	\$4,930,509.15	\$2,158,031.00	\$410,025.89	\$2,568,056.89	\$2,711,635.87	\$3,226,846.68	
964	Zapatas 20Y3221110		UND	1	\$1,741,396.00	\$330,865.24	\$2,072,261.24	\$759,376.08	\$144,281.46	\$903,657.54	\$1,018,300.00	\$193,477.00	\$1,211,777.00	\$1,173,024.03	\$1,395,898.59	
965	Rueda tensora 20Y-30-13120		UND	1	\$6,245,400.00	\$1,186,626.00	\$7,432,026.00	\$8,010,824.00	\$1,522,056.56	\$9,532,880.56	\$4,688,459.10	\$890,807.23	\$5,579,266.33	\$6,314,894.37	\$7,514,724.30	
966	Sproket 20Y-27-11582		UND	1	\$5,392,015.80	\$1,024,483.00	\$6,416,498.80	\$8,758,241.00	\$1,664,065.79	\$10,422,306.79	\$7,117,169.00	\$1,352,262.11	\$8,469,431.11	\$7,089,141.93	\$8,436,078.90	
967	Cadenas tren de rodaje 20Y-32-01025		UND	1	\$7,320,123.72	\$1,390,823.51	\$8,710,947.23	\$9,026,050.00	\$1,714,949.50	\$10,740,999.50	\$12,526,594.00	\$2,380,052.00	\$14,906,646.86	\$9,624,255.91	\$11,452,864.53	
968	Resorte tensor 20Y3013120		UND	1	\$2,901,329.00	\$551,252.51	\$3,452,581.51	\$3,968,145.00	\$753,947.55	\$4,722,092.55	\$2,592,159.84	\$492,510.37	\$3,084,670.21	\$3,153,877.95	\$3,753,114.76	
969	kit Plato separador motor de traslacion		JUEGO	1	\$4,932,126.00	\$937,103.94	\$5,869,229.94	\$4,837,780.80	\$919,178.35	\$5,756,959.15	\$5,936,380.00	\$1,127,912.20	\$7,064,292.20	\$5,235,428.93	\$6,230,160.43	
970	Kit discos motor de traslacion		JUEGO	1	\$4,479,540.48	\$851,112.69	\$5,330,653.17	\$9,368,040.00	\$1,779,927.60	\$11,147,967.60	\$4,723,357.00	\$897,437.83	\$5,620,794.83	\$6,190,312.49	\$7,366,471.87	
971	Sello espejo motor de traslacion 150-27-00330		UND	1	\$509,026.32	\$96,715.00	\$605,741.32	\$886,473.00	\$168,429.87	\$1,054,902.87	\$608,563.00	\$115,626.97	\$724,189.97	\$668,020.77	\$794,944.72	
972	Carrier motor de traslacion 20Y-27-22170		UND	1	\$4,231,463.40	\$803,978.05	\$5,035,441.45	\$5,004,869.00	\$950,925.11	\$5,955,794.11	\$6,611,053.00	\$1,256,100.07	\$7,867,153.07	\$5,282,461.80	\$6,286,129.54	
973	Piñón reductor motor de traslacion 20Y-27-22140		UND	1	\$4,983,402.64	\$853,746.50	\$5,837,149.14	\$5,475,655.00	\$1,040,374.45	\$6,516,029.45	\$7,467,889.00	\$1,418,898.91	\$8,886,787.91	\$5,812,315.55	\$6,916,655.50	
974	Piñón central motor de traslacion 20Y-27-22130		UND	1	\$7,548,882.00	\$1,434,287.58	\$8,983,169.58	\$4,626,763.92	\$879,085.14	\$5,505,849.06	\$4,732,941.00	\$899,258.79	\$5,632,199.79	\$5,636,195.64	\$6,707,072.81	
975	Piñón solar reductor motor de traslacion 20Y-27-22110		UND	1	\$44,124,206.76	\$8,383,599.28	\$52,507,806.04	\$47,496,142.00	\$9,024,266.98	\$66,520,408.98	\$50,393,242.00	\$9,574,715.98	\$75,967,957.98	\$47,337,863.59	\$56,332,057.67	
976	S															

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS		VR. UNITARIO SIN IVA			IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA
	DESCRIPCION															
988	Buje ajuste balde 20y-70-31272		UND	1	\$1,747,515.00	\$332,027.85	\$2,079,542.85	\$1,014,526.00	\$192,759.94	\$1,207,285.94	\$797,672.16	\$151,557.71	\$949,229.87	\$1,186,571.05	\$1,412,019.55	
989	Pasador balde 22u-70-21191		UND	1	\$861,873.48	\$163,755.96	\$1,025,629.44	\$1,648,639.00	\$313,241.41	\$1,961,880.41	\$1,242,094.00	\$235,997.86	\$1,478,091.86	\$1,250,868.83	\$1,488,533.90	
990	Pasador stick 20y-70-42220		UND	1	\$4,729,558.00	\$898,616.02	\$5,628,174.02	\$2,805,478.00	\$533,040.82	\$3,338,518.82	\$2,095,431.12	\$295,931.91	\$2,493,563.03	\$3,210,155.71	\$3,820,085.29	
991	Dientes talla 35 balde 1U3352V		UND	1	\$643,698.00	\$122,302.62	\$766,000.62	\$1,736,120.00	\$329,862.80	\$2,065,982.80	\$885,072.00	\$168,163.68	\$1,053,235.68	\$1,088,296.67	\$1,295,073.03	
992	Base diente Balde 3G8354		UND	1	\$2,551,918.00	\$484,864.42	\$3,036,782.42	\$1,394,873.00	\$265,025.87	\$1,659,898.87	\$1,087,284.90	\$206,584.13	\$1,293,869.03	\$1,678,025.30	\$1,996,850.11	
993	Pasador dientes 1140358		UND	1	\$924,961.50	\$175,742.69	\$1,100,704.19	\$1,297,682.00	\$246,559.58	\$1,544,241.58	\$1,455,258.00	\$276,499.02	\$1,731,757.02	\$1,225,967.17	\$1,458,900.93	
994	Arandela dientes 1140359		UND	1	\$123,946.00	\$23,549.74	\$147,495.74	\$86,016.00	\$16,343.04	\$102,359.04	\$81,694.08	\$15,521.88	\$97,215.96	\$97,218.69	\$115,690.25	
995	Esquinas balde 205-70-74190		UND	1	\$912,308.00	\$173,338.52	\$1,085,646.52	\$1,351,546.00	\$256,793.74	\$1,608,339.74	\$809,931.00	\$153,886.89	\$963,817.89	\$1,024,595.00	\$1,219,268.05	
996	Tornillos con tuerca esquinas 7/8 X 3 1/2		UND	1	\$86,691.60	\$16,471.40	\$103,163.00	\$120,261.00	\$22,849.59	\$143,110.59	\$187,542.00	\$35,632.98	\$223,174.98	\$131,498.20	\$156,482.86	
997	0714500090 Sello ajuste boom		UND	1	\$3,355,975.00	\$637,635.25	\$3,993,610.25	\$1,140,872.04	\$216,765.69	\$1,357,637.73	\$1,691,306.00	\$321,348.14	\$2,012,654.14	\$2,062,717.68	\$2,454,634.04	
998	2057073180 Bujes balde		UND	1	\$2,059,931.00	\$391,386.89	\$2,451,317.89	\$1,078,792.56	\$204,970.59	\$1,283,763.15	\$1,081,189.00	\$205,425.91	\$1,286,614.91	\$1,406,637.52	\$1,673,898.65	
999	20y7023220 sello ajuste brazo		UND	1	\$842,926.68	\$160,156.07	\$1,003,082.75	\$1,003,431.00	\$190,651.89	\$1,194,082.89	\$1,789,916.00	\$340,084.04	\$2,130,000.04	\$1,212,091.23	\$1,442,388.56	
1000	20y7032410 bujes ajuste brazo		UND	1	\$807,565.00	\$153,437.35	\$961,002.35	\$819,166.00	\$155,641.54	\$974,807.54	\$757,206.72	\$143,869.28	\$901,076.00	\$794,645.91	\$945,628.63	
1001	20y7023230 sello ajuste brazo		UND	1	\$1,542,432.00	\$293,062.08	\$1,835,494.08	\$796,380.12	\$151,312.22	\$947,692.34	\$933,953.00	\$177,451.07	\$1,111,404.07	\$1,090,921.71	\$1,298,196.83	
1002	2057071210 pasador botella boom		UND	1	\$1,340,232.00	\$254,644.08	\$1,594,876.08	\$2,402,047.00	\$456,388.93	\$2,858,435.93	\$1,158,266.88	\$220,070.71	\$1,378,337.59	\$1,633,515.29	\$1,943,883.20	
1003	20y7031381 arandelas boom		UND	1	\$120,198.24	\$22,837.67	\$143,035.91	\$155,125.00	\$29,473.75	\$184,598.75	\$306,279.00	\$58,193.01	\$364,472.01	\$193,867.41	\$230,702.22	
1004	20y7031391 arandela boom		UND	1	\$239,943.00	\$45,589.17	\$285,532.17	\$164,970.00	\$31,344.30	\$196,314.30	\$126,102.60	\$23,959.49	\$150,062.09	\$177,005.20	\$210,636.19	
1005	20y7031391 arandela botella brazo		UND	1	\$140,278.00	\$26,652.82	\$166,930.82	\$279,252.00	\$53,057.88	\$332,309.88	\$101,397.60	\$19,265.54	\$120,663.14	\$173,642.53	\$206,634.61	
1006	20y7031381 arandela botella brazo		UND	1	\$113,511.24	\$21,567.14	\$135,078.38	\$167,701.00	\$31,863.19	\$199,564.19	\$242,753.00	\$46,123.07	\$288,876.07	\$174,655.08	\$207,839.55	
1007	7077680420 Bujes botella brazo		UND	1	\$1,053,483.84	\$200,161.93	\$1,253,645.77	\$1,650,669.00	\$313,627.11	\$1,964,296.11	\$1,063,076.00	\$201,984.44	\$1,265,060.44	\$1,255,742.95	\$1,494,334.11	
1008	Buje botella stick		UND	1	\$690,783.48	\$131,248.86	\$822,032.34	\$967,243.00	\$183,776.17	\$1,151,019.17	\$872,879.00	\$165,847.01	\$1,038,726.01	\$843,635.16	\$1,003,925.84	
1009	Anillo botella stick		UND	1	\$1,058,858.00	\$201,183.02	\$1,260,041.02	\$924,625.80	\$175,678.90	\$1,100,304.70	\$1,120,183.00	\$212,834.77	\$1,333,017.77	\$1,034,555.60	\$1,231,121.16	
1010	Anillo metálico ajuste stick		UND	1	\$856,396.00	\$162,715.24	\$1,019,111.24	\$1,560,371.00	\$296,470.49	\$1,856,841.49	\$801,626.76	\$152,309.08	\$953,935.84	\$1,072,797.92	\$1,276,629.52	
1011	Exploradora cuadrada		UND	1	\$1,441,212.00	\$273,830.28	\$1,715,042.28	\$1,338,300.00	\$254,277.00	\$1,592,577.00	\$939,965.76	\$178,593.49	\$1,118,559.25	\$1,239,825.92	\$1,475,392.84	
1012	Bujes 45x80		UND	1	\$1,151,751.24	\$218,832.74	\$1,370,583.98	\$2,225,034.00	\$422,756.46	\$2,647,790.46	\$1,628,122.00	\$309,343.18	\$1,937,465.18	\$1,668,302.41	\$1,985,279.87	
1013	Bomba de transferencia de combustible		UND	1	\$3,040,749.60	\$577,742.42	\$3,618,492.02	\$8,432,188.00	\$1,602,115.72	\$10,034,303.72	\$4,422,003.00	\$840,180.57	\$5,262,183.57	\$5,296,313.53	\$6,304,993.10	
1014	702-16-03530 Kit sellos joystick		UND	1	\$1,166,477.40	\$221,630.71	\$1,388,108.11	\$1,319,960.00	\$250,792.40	\$1,570,752.40	\$1,680,071.00	\$319,213.49	\$1,999,284.49	\$1,388,836.13	\$1,652,715.00	
1015	0714500070 Sellos cilindro		UND	1	\$1,375,016.00	\$261,253.04	\$1,636,269.04	\$1,149,809.00	\$218,463.71	\$1,368,272.71	\$920,637.00	\$174,921.03	\$1,095,558.03	\$1,148,487.33	\$1,366,699.93	
1016	20y7023220 sellos cilindro		UND	1	\$1,725,144.00	\$327,777.36	\$2,052,921.36	\$1,217,543.00	\$231,333.17	\$1,448,876.17	\$1,064,975.76	\$202,345.39	\$1,267,321.15	\$1,335,887.59	\$1,589,706.23	
1017	0714500080 sellos cilindro		UND	1	\$949,483.08	\$180,401.79	\$1,129,884.87	\$1,195,231.00	\$227,093.89	\$1,422,324.89	\$1,325,256.00	\$251,798.64	\$1,577,054.64	\$1,156,656.69	\$1,376,421.47	
1018	7077680431 buje cilindro		UND	1	\$1,159,766.00	\$220,355.54	\$1,380,121.54	\$957,274.56	\$181,882.17	\$1,139,156.73	\$1,946,334.00	\$369,803.46	\$2,316,137.46	\$1,354,458.19	\$1,611,805.24	
1019	2057070651 buje cilindro		UND	1	\$1,312,706.00	\$249,414.14	\$1,562,120.14	\$1,726,242.00	\$327,985.98	\$2,054,227.98	\$1,018,495.08	\$193,514.07	\$1,212,009.15	\$1,352,481.03	\$1,609,452.42	
1020	7077670120 buje cilindro		UND	1	\$1,160,764.00	\$220,545.16	\$1,381,309.16	\$2,134,528.00	\$405,560.32	\$2,540,088.32	\$1,028,197.80	\$195,357.58	\$1,223,555.38	\$1,441,163.27	\$1,714,984.29	
1021	203-60-31100 Racores visor		UND	1	\$191,033.64	\$36,296.39	\$227,330.03	\$282,083.00	\$53,595.77	\$335,678.77	\$554,347.00	\$105,325.93	\$659,672.93	\$342,487.88	\$407,560.58	
1022	203-60-31160 Tubo medidor de nivel hid		UND	1	\$369,366.00	\$70,179.54	\$439,545.54	\$612,924.00	\$116,455.56	\$729,379.56	\$255,481.92	\$48,541.56	\$304,023.48	\$412,590.64	\$490,982.86	
1023	Display 28F		UND	1	\$1,919,524.00	\$364,709.56	\$2,284,233.56	\$1,322,523.00	\$251,279.37	\$1,573,802.37	\$1,210,988.52	\$230,087.82	\$1,441,076.34	\$1,484,345.17	\$1,766,370.76	
1024	2057073270 Pasador balde		UND	1	\$1,559,152.00	\$296,238.88	\$1,855,390.88	\$2,952,799.00	\$561,031.81	\$3,513,830.81	\$1,203,599.88	\$228,683.98	\$1,432,283.86	\$1,905,183.63	\$2,267,168.52	
1025	21k7012161 Buje balde		UND	1	\$798,598.00	\$151,733.62	\$950,331.62	\$1,102,553.00	\$209,485.07	\$1,312,038.07	\$687,364.20	\$130,599.20	\$817,963.40	\$862,838.40	\$1,026,777.70	
1026	Tapa tanque de combustible		UND	1	\$997,540.00	\$189,532.60	\$1,187,072.60	\$835,735.00	\$158,789.65	\$994,524.65	\$653,715.00	\$124,205.85	\$777,920.85	\$828,996.67	\$986,506.03	
1027	7022162200 Pilot valve original		UND	1	\$1,000,605.00	\$190,114.95	\$1,190,719.95	\$1,093,131.00	\$207,694.89	\$1,300,825.89	\$984,837.60	\$187,119.14	\$1,171,956.74	\$1,026,191.20	\$1,221,167.53	
	MANO DE OBRA															
	DESCRIPCION			UNIDAD	CANT											
1028	Mantenimiento preventivo 250 horas		UND	1	\$1,155,629.00	\$219,569.51	\$1,375,198.51	\$658,663.00	\$125,145.97	\$783,808.97	\$482,634.30	\$91,700.52	\$574,334.82	\$765,642.10	\$911,114.10	
1029	Mantenimiento preventivo 500 horas		UND	1	\$497,119.80	\$94,452.76	\$591,572.56	\$497,400.00	\$94,506.00	\$591,906.00	\$957,487.00	\$181,922.53	\$1,139,409.53	\$650,668.93	\$774,296.03	
1030	Mantenimiento preventivo 1000 horas		UND	1	\$761,769.00	\$144,736.11	\$906,505.11	\$598,856.80	\$113,783.17	\$712,641.97	\$975,395.00	\$185,325.05	\$1,160,720.05	\$778,674.27	\$926,622.38	
1031	Mantenimiento preventivo 2000 horas		UND	1	\$1,449,897.00	\$275,480.43	\$1,725,377.43	\$743,450.00	\$141,255.50	\$884,705.50	\$548,808.90	\$104,273.69	\$653,082.59	\$914,051.97	\$1,087,721.84	
1032	Desmontar y montar banco de valvulas principal para reparacion		UND	1	\$7,321,450.00	\$1,391,075.50	\$8,712,525.50	\$3,405,567.60	\$647,057.84	\$4,052,625.44	\$4,769,138.00	\$906,136.22	\$5,675,274.22	\$5,165,385.20	\$6,146,808.39	
1033	Desmontar y montar soportes de motor		UND	1	\$1,081,806.00	\$205,543.14	\$1,287,349.14	\$748,935.00	\$142,297.65	\$891,232.65	\$655,511.70	\$124,547.22	\$780,058.92	\$828,750.90	\$986,213.57	
1034	Desmontar y montar motor de arranque		UND	1	\$616,377.30	\$117,111.69	\$733,488.99	\$880,251.00	\$167,247.69	\$1,047,498.69	\$661,248.00	\$125,637.12	\$786,885.12	\$719,292.10	\$855,957.60	
1035	Desmontar y montar motor de arranque		UND	1	\$650,772.00	\$123,646.68	\$774,418.68	\$785,280.00	\$149,203.20	\$934,483.20	\$582,978.90	\$				

ITEM	MOTONIVELADORA CATERPILLAR 120 K	UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION													
1045	Desmontar y montar motor de giro	UND	1	\$1,085,267.00	\$206,200.73	\$1,291,467.73	\$562,983.00	\$106,966.77	\$669,949.77	\$489,243.00	\$92,956.17	\$582,199.17	\$712,497.67	\$847,872.22
1046	Desmontar y montar piñons de giro	UND	1	\$855,509.00	\$162,546.71	\$1,018,055.71	\$793,852.20	\$150,831.92	\$944,684.12	\$1,600,795.00	\$304,151.05	\$1,904,946.05	\$1,083,385.40	\$1,289,228.63
1047	de partes en mal estado	UND	1	\$921,997.00	\$175,179.43	\$1,097,176.43	\$1,097,176.43	\$128,910.12	\$807,384.42	\$1,568,959.00	\$298,102.21	\$1,867,061.21	\$1,056,476.77	\$1,257,207.35
1048	Cambio de base de diente blade (uno solo)	UND	1	\$649,393.80	\$123,384.82	\$772,778.62	\$1,012,393.00	\$192,354.67	\$1,204,747.67	\$891,008.00	\$169,291.52	\$1,060,299.52	\$850,931.60	\$1,012,608.60
1049	Cambio de esquinera balde (un solo lado)	UND	1	\$403,985.00	\$76,757.15	\$480,742.15	\$253,565.40	\$48,177.43	\$301,742.83	\$372,975.00	\$70,865.25	\$443,840.25	\$343,508.47	\$408,775.08
1050	Cambio de valvula piloto	UND	1	\$421,472.00	\$80,079.68	\$501,551.68	\$242,189.00	\$46,015.91	\$288,204.91	\$235,986.00	\$44,837.34	\$280,823.34	\$299,882.33	\$356,859.98
1051	Mantenimiento De Motor: Cambio De Filtros y Aceites	UND	1	\$574,859.10	\$109,223.23	\$684,082.33	\$653,412.00	\$124,148.26	\$777,560.26	\$754,229.00	\$143,303.51	\$897,532.51	\$660,833.37	\$786,391.71
1052	Mantenimiento Hidráulico: Cambio De Aceite y Filtros	UND	1	\$754,412.10	\$143,338.30	\$897,750.40	\$1,333,161.00	\$253,300.59	\$1,586,461.59	\$1,016,290.00	\$129,385.10	\$1,135,675.10	\$1,034,621.03	\$1,231,199.03
1053	Cambio de empaquetadura enfriador de aceite de motor switch)(uno solo)	UND	1	\$859,735.00	\$163,349.65	\$1,023,084.65	\$740,895.00	\$140,770.05	\$881,665.05	\$721,182.60	\$137,024.69	\$858,207.29	\$773,937.53	\$920,985.66
1054	Desmontar y montar guaya control de motor	UND	1	\$1,268,217.00	\$240,961.23	\$1,509,178.23	\$845,740.50	\$160,690.70	\$1,006,431.20	\$1,221,304.00	\$232,047.76	\$1,453,351.76	\$1,111,753.83	\$1,322,987.06
1055	Desmontar y montar bomba de transferencia de combustible	UND	1	\$807,275.00	\$153,382.25	\$960,657.25	\$512,282.10	\$97,333.60	\$609,615.70	\$701,063.00	\$133,201.97	\$834,264.97	\$673,540.03	\$801,512.64
1056	Instalacion de bomba de transferencia de combustible	UND	1	\$3,417,665.00	\$649,356.35	\$4,067,021.35	\$3,098,432.10	\$588,702.10	\$3,687,134.20	\$5,079,402.00	\$965,086.38	\$6,044,488.38	\$3,865,166.37	\$4,599,547.98
1057	Cambio De Manguera Hidráulicas (Una Con Otra)	UND	1	\$160,695.73	\$160,695.73	\$1,006,462.73	\$1,006,462.73	\$109,136.87	\$683,541.47	\$1,349,452.00	\$256,395.88	\$1,605,847.88	\$923,207.87	\$1,098,617.36
1058	Cambio De Carriles Superiores	UND	1	\$932,289.00	\$177,134.91	\$1,109,423.91	\$521,265.90	\$99,040.52	\$620,306.42	\$636,653.00	\$120,964.07	\$757,617.07	\$696,735.97	\$829,115.80
1059	Cambio De Carriles Inferiores	UND	1	\$419,078.40	\$79,624.90	\$498,703.30	\$532,860.00	\$101,243.40	\$634,103.40	\$1,027,423.00	\$195,210.37	\$1,222,633.37	\$659,787.13	\$785,146.69
1060	Cambio Zapatas	UND	1	\$1,396,983.00	\$265,426.77	\$1,662,409.77	\$1,028,843.10	\$195,480.19	\$1,224,323.29	\$1,730,008.00	\$328,701.52	\$2,058,709.52	\$1,385,278.03	\$1,648,480.86
1061	Desmontar y montar alternador	UND	1	\$1,202,354.00	\$228,447.26	\$1,430,801.26	\$470,898.60	\$89,470.73	\$560,369.33	\$642,450.00	\$122,065.50	\$764,515.50	\$771,900.87	\$918,562.03
1062	Reparacion general alternador cambio de partes en mal estado	UND	1	\$777,555.00	\$147,735.45	\$925,290.45	\$681,703.80	\$129,523.72	\$811,227.52	\$968,924.00	\$184,095.56	\$1,153,019.56	\$809,394.27	\$963,179.18
1063	Desmontar y montar radiador para mantenimiento	UND	1	\$600,833.40	\$114,158.35	\$714,991.75	\$1,100,743.00	\$209,141.17	\$1,309,884.17	\$873,713.00	\$166,005.47	\$1,039,718.47	\$858,429.80	\$1,021,531.46
1064	Desmontar y montar radiador para aire acondicionado para mantenimiento	UND	1	\$745,993.00	\$141,738.67	\$887,731.67	\$593,290.50	\$112,725.20	\$706,015.70	\$989,942.00	\$188,088.98	\$1,178,030.98	\$776,408.50	\$923,926.12
1065	Desmontar y montar intercoller para aire acondicionado para mantenimiento	UND	1	\$472,255.00	\$89,728.45	\$561,983.45	\$513,824.00	\$97,626.56	\$611,450.56	\$441,018.90	\$83,793.59	\$524,812.49	\$475,699.30	\$566,082.17
1066	Cambio de diente y pasador balde delantero (uno solo)	UND	1	\$1,162,310.00	\$220,838.90	\$1,383,148.90	\$885,026.00	\$168,154.94	\$1,053,180.94	\$601,700.10	\$114,323.02	\$716,023.12	\$883,012.03	\$1,050,784.32
1067	cambio de bases dientes, reparación alojamiento de pasadores	UND	1	\$6,209,396.00	\$1,179,785.24	\$7,389,181.24	\$4,585,669.80	\$871,277.26	\$5,456,947.06	\$9,960,410.00	\$1,892,477.90	\$11,852,887.90	\$6,918,491.93	\$8,233,005.40
1068	Remoción e instalación de gato gemelo para cambio de empaquetadura	UND	1	\$546,410.00	\$103,817.90	\$650,227.90	\$456,416.10	\$86,719.06	\$543,135.16	\$1,001,608.00	\$190,305.52	\$1,191,913.52	\$668,144.70	\$795,092.19
1069	Desmontar y montar cilindro stick arrastre para cambio de empaquetadura	UND	1	\$893,071.00	\$169,683.49	\$1,062,754.49	\$1,582,596.00	\$300,693.24	\$1,883,289.24	\$756,537.30	\$143,742.09	\$900,279.39	\$1,077,401.43	\$1,282,107.71
1070	Desmontar y montar cilindro stick arrastre para cambio de bujes y pasadores	UND	1	\$679,787.00	\$129,159.53	\$808,946.53	\$586,054.50	\$111,350.35	\$697,404.85	\$652,105.00	\$123,899.95	\$776,004.95	\$639,315.50	\$760,785.44
1071	Desmontar y montar cilindro balde para cambio de empaquetadura	UND	1	\$737,342.00	\$140,094.98	\$877,436.98	\$554,298.00	\$105,316.62	\$659,614.62	\$1,412,458.00	\$268,367.02	\$1,680,825.02	\$901,366.00	\$1,072,625.54
1072	Desmontar y montar cilindro balde para cambio de bujes y pasadores	UND	1	\$607,007.70	\$115,331.46	\$722,339.16	\$839,905.00	\$159,581.95	\$999,486.95	\$983,719.00	\$186,906.61	\$1,170,625.61	\$810,210.57	\$964,150.57
1073	Rectificada de cilindros hidraulicos de arrastre	UND	1	\$1,768,906.50	\$336,092.24	\$2,104,998.74	\$1,795,250.00	\$341,097.50	\$2,136,347.50	\$2,158,343.00	\$410,085.17	\$2,568,428.17	\$1,907,499.83	\$2,269,924.80
1074	Rectificada de cilindros hidraulicos de balde	UND	1	\$1,496,939.10	\$284,418.43	\$1,781,357.53	\$2,065,965.00	\$392,533.35	\$2,458,498.35	\$2,714,071.00	\$515,673.49	\$3,229,744.49	\$2,092,325.03	\$2,489,866.79
1075	Rectificada de cilindros hidraulicos de boom (un lado)	UND	1	\$2,007,824.00	\$381,486.56	\$2,389,310.56	\$1,028,943.30	\$195,499.23	\$1,224,442.53	\$1,164,060.00	\$221,171.40	\$1,385,231.40	\$1,400,275.77	\$1,666,328.16
1076	pasadores (un lado)	UND	1	\$1,559,758.00	\$296,354.02	\$1,856,112.02	\$1,000,908.30	\$190,172.58	\$1,191,080.88	\$1,157,147.00	\$219,857.93	\$1,377,004.93	\$1,239,271.10	\$1,474,732.61
1077	empaquetadura (un lado)	UND	1	\$1,360,464.00	\$258,488.16	\$1,618,952.16	\$1,495,075.00	\$284,064.25	\$1,779,139.25	\$1,009,619.70	\$191,827.74	\$1,201,447.44	\$1,286,386.23	\$1,533,179.62
1078	Desmonte del boom para cambio de bujes y pasadores	UND	1	\$1,796,576.00	\$341,349.44	\$2,137,925.44	\$1,235,496.90	\$234,744.41	\$1,470,241.31	\$3,310,850.00	\$629,061.50	\$3,939,911.50	\$2,114,307.63	\$2,516,026.08
1079	Desmonte y montaje de rueda tensora (un solo lado)	UND	1	\$1,041,762.60	\$197,934.89	\$1,239,697.49	\$1,110,620.00	\$211,017.80	\$1,321,637.80	\$1,666,062.00	\$316,551.78	\$1,982,613.78	\$1,272,814.87	\$1,514,649.69
1080	lado)	UND	1	\$856,197.30	\$162,677.49	\$1,018,874.79	\$1,745,506.00	\$331,646.14	\$2,077,152.14	\$1,106,953.00	\$210,321.07	\$1,317,274.07	\$1,236,218.77	\$1,471,100.33
1081	Revision general de luces y revisión de harness	UND	1	\$728,586.30	\$138,431.40	\$867,017.70	\$980,958.00	\$186,382.02	\$1,167,340.02	\$913,471.00	\$173,559.49	\$1,087,030.49	\$874,338.43	\$1,040,462.74
1082	Bajar y montar gato hidraulico boom	UND	1	\$942,627.00	\$179,099.13	\$1,121,726.13	\$642,376.50	\$122,051.54	\$764,428.04	\$742,405.00	\$141,056.95	\$883,461.95	\$775,802.83	\$923,205.37
1083	Lavado sistema hidraulico	UND	1	\$447,834.90	\$85,088.63	\$532,923.53	\$866,505.00	\$164,635.95	\$1,031,140.95	\$475,765.00	\$90,395.35	\$566,160.35	\$596,701.63	\$710,074.94
1084	Borrar y corregir fallas del sistema electrico	UND	1	\$670,724.40	\$127,437.64	\$798,162.04	\$757,965.00	\$144,013.35	\$901,978.35	\$1,300,489.00	\$247,092.91	\$1,547,581.91	\$909,726.13	\$1,082,574.10
1085	Instalacion de empaquetadura de los joystick	UND	1	\$836,990.00	\$159,028.10	\$996,018.10	\$756,660.00	\$143,765.40	\$900,425.40	\$714,196.50	\$135,697.34	\$849,893.84	\$769,282.17	\$915,445.78
1086	Instalacion empaquetadura joint center	UND	1	\$832,861.00	\$158,243.59	\$991,104.59	\$829,197.00	\$157,547.43	\$986,744.43	\$1,122,093.00	\$213,197.67	\$1,335,290.67	\$928,050.33	\$1,104,379.90
1087	Arreglo de silenciador	UND	1	\$1,277,022.00	\$242,634.18	\$1,519,656.18	\$718,242.60	\$136,466.09	\$854,708.69	\$999,027.00	\$189,815.13	\$1,188,842.13	\$998,097.20	\$1,187,735.67
1088	Desmontar cadenas, despinar zapatas y pasadores	UND	1	\$681,480.60	\$129,481.31	\$810,961.91	\$717,144.00	\$136,257.36	\$853,401.36	\$1,082,067.00	\$205,592.73	\$1,287,659.73	\$826,897.20	\$984,007.67
1089	Desmontar y montar sprocket	UND	1	\$3,093,520.20	\$587,768.84	\$3,681,289.04	\$3,585,646.00	\$681,272.74	\$4,266,918.74	\$3,494,339.00	\$663,922.70	\$4,158,261.70	\$3,391,165.40	\$4,035,486.83
1090	Tensionada de las cadenas	UND	1	\$876,298.00	\$166,496.62	\$1,042,794.62	\$739,392.00	\$140,484.48	\$879,876.48	\$629,971.20	\$119,694.53	\$749,665.73	\$748,553.73	\$890,778.94
1091	Fabricacion de pasador pin master para cadena	UND	1	\$4,377,935.00	\$831,807.65	\$5,209,742.65	\$4,072,063.00	\$773,6						

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUUESTOS		DESCRIPCION			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
1101	Filtro de aceite 05710631		UND	1		\$813,704.13	\$154,603.78	\$968,307.91	\$998,199.00	\$189,657.81	\$1,187,856.81	\$1,283,089.00	\$243,786.91	\$1,526,875.91	\$1,031,664.04	\$1,227,680.21
1102	Filtro de combustible 05713595		UND	1		\$726,642.50	\$138,062.07	\$864,704.57	\$1,484,214.00	\$282,000.66	\$1,766,214.66	\$947,123.00	\$179,953.37	\$1,127,076.37	\$1,052,659.83	\$1,252,665.20
1103	Filtro Separador 31701062		UND	1		\$298,936.98	\$56,798.03	\$355,735.01	\$332,090.00	\$63,097.10	\$395,187.10	\$491,273.00	\$93,341.87	\$584,614.87	\$374,099.99	\$445,178.99
1104	Filtro hidraulico P164594		UND	1		\$834,802.00	\$158,612.38	\$993,414.38	\$525,323.00	\$99,811.37	\$625,134.37	\$388,460.61	\$73,807.52	\$462,268.13	\$582,861.87	\$693,605.63
1105	Empaquetadura cilindro hidraulico de direccion		UND	1		\$1,491,357.00	\$283,357.83	\$1,774,714.83	\$1,384,454.00	\$263,046.26	\$1,647,500.26	\$964,283.04	\$183,213.78	\$1,147,496.82	\$1,280,031.35	\$1,523,237.30
1106	Empaquetadura motor hidraulico de vibracion		UND	1		\$3,955,106.00	\$751,470.14	\$4,706,576.14	\$2,369,269.00	\$450,161.11	\$2,819,430.11	\$2,005,796.65	\$2,669,972.80	\$3,177,267.63	\$2,669,972.80	\$3,177,267.63
1107	Acople teflon motor de vibracion		UND	1		\$1,128,389.00	\$214,393.91	\$1,342,782.91	\$867,976.92	\$164,915.61	\$1,032,892.53	\$884,661.00	\$168,085.59	\$1,052,746.59	\$960,342.31	\$1,142,807.34
1108	Pernos rueda		UND	1		\$457,165.00	\$86,861.35	\$544,026.35	\$345,033.00	\$65,556.27	\$410,589.27	\$340,212.96	\$64,640.46	\$404,853.42	\$380,803.65	\$453,156.35
1109	Tuerca de perno rueda		UND	1		\$120,640.00	\$22,921.60	\$143,561.60	\$68,497.20	\$13,014.47	\$81,511.67	\$93,888.00	\$17,838.72	\$111,726.72	\$94,341.73	\$112,266.66
1110	Rodamiento de bolas rodillo externo		UND	1		\$1,211,611.00	\$230,206.09	\$1,441,817.09	\$622,924.20	\$118,355.60	\$741,279.80	\$808,028.00	\$153,525.32	\$961,553.32	\$880,854.40	\$1,048,216.74
1111	Rodamiento interno cilindro		UND	1		\$1,161,469.00	\$220,679.11	\$1,382,148.11	\$537,673.32	\$102,157.93	\$639,831.25	\$589,181.00	\$111,944.39	\$701,125.39	\$762,774.44	\$907,701.58
1112	Vidrios frontal para cabina		UND	1		\$737,212.32	\$140,070.34	\$877,282.66	\$1,243,142.00	\$236,196.98	\$1,479,338.98	\$806,779.00	\$153,288.01	\$960,067.01	\$929,044.44	\$1,105,562.88
1113	Espejo retrovisor		UND	1		\$1,158,380.28	\$220,092.25	\$1,378,472.53	\$1,573,773.00	\$299,016.87	\$1,872,789.87	\$1,569,614.00	\$298,226.66	\$1,867,840.66	\$1,433,922.43	\$1,706,367.69
1114	Baterías 31 H		UND	1		\$3,904,241.00	\$741,805.79	\$4,646,046.79	\$2,146,524.00	\$407,839.56	\$2,554,363.56	\$1,650,490.00	\$313,593.10	\$1,964,083.10	\$2,567,085.00	\$3,054,831.15
1115	Switch master		UND	1		\$1,049,384.00	\$199,382.96	\$1,248,766.96	\$747,944.64	\$142,109.48	\$890,054.12	\$854,645.00	\$162,382.55	\$1,017,027.55	\$883,991.21	\$1,051,949.54
1116	Bomba hidráulica		UND	1		\$17,137,176.00	\$3,256,063.44	\$20,393,239.44	\$28,420,691.00	\$5,399,931.29	\$33,820,622.29	\$13,510,396.35	\$2,566,975.31	\$16,077,371.66	\$19,689,421.12	\$23,430,411.13
1117	Correa 13780		UND	1		\$855,255.00	\$162,498.45	\$1,017,753.45	\$1,559,910.00	\$296,382.90	\$1,856,292.90	\$840,675.60	\$159,728.36	\$1,000,403.96	\$1,085,280.20	\$1,291,483.44
1118	Correa 15470		UND	1		\$8,837,092.00	\$1,679,047.48	\$10,516,139.48	\$6,268,791.24	\$1,191,070.34	\$7,459,861.58	\$14,981,682.00	\$2,846,519.58	\$17,828,201.58	\$10,029,188.41	\$11,934,734.21
1119	Manguera hidraulica R2 3/4 X 2.35 MTS		UND	1		\$1,137,307.00	\$216,088.33	\$1,353,395.33	\$644,212.20	\$122,400.32	\$766,612.52	\$779,228.00	\$148,053.32	\$927,281.32	\$853,582.40	\$1,015,763.06
1120	Llantas 14.9-24 8PR (16 lonas)		UND	1		\$9,190,723.00	\$1,746,237.37	\$10,936,960.37	\$10,684,558.00	\$2,030,066.02	\$12,714,624.02	\$13,850,718.00	\$2,631,636.42	\$16,482,354.42	\$11,241,999.67	\$13,377,979.60
1121	Juego de plumillas 28"		JUEGO	1		\$462,417.84	\$87,859.39	\$550,277.23	\$787,541.00	\$147,922.79	\$926,463.79	\$472,375.00	\$89,751.25	\$562,126.25	\$571,111.28	\$679,622.42
1122	plumillas		UND	1		\$321,289.00	\$61,044.91	\$382,333.91	\$445,507.00	\$84,646.33	\$530,153.33	\$222,430.32	\$42,261.76	\$264,692.08	\$329,742.11	\$392,393.11
1123	Luna espejo		UND	1		\$434,069.64	\$82,473.23	\$516,542.87	\$544,323.00	\$103,421.37	\$647,744.37	\$451,705.00	\$102,923.95	\$544,628.95	\$506,699.21	\$602,972.06
1124	Soportes vibracion originales bomag		UND	1		\$2,624,570.00	\$498,668.30	\$3,123,238.30	\$1,323,618.00	\$251,487.42	\$1,575,105.42	\$976,203.36	\$185,478.64	\$1,161,682.00	\$1,641,463.79	\$1,953,341.91
1125	Empaquetadura valvula control de direccion		UND	1		\$1,049,039.00	\$199,317.41	\$1,248,356.41	\$950,907.60	\$180,672.44	\$1,131,580.04	\$1,793,829.00	\$340,827.51	\$2,134,656.51	\$1,264,591.87	\$1,504,864.32
1126	llave switch encendido		UND	1		\$330,910.00	\$62,872.90	\$393,782.90	\$194,292.00	\$36,915.48	\$231,207.48	\$154,992.96	\$29,448.66	\$184,441.62	\$226,731.65	\$269,810.67
	MANO DE OBRA															
	DESCRIPCION		UNIDAD	CANT												
1127	Mantenimiento preventivo 250 horas		UND	1		\$610,543.00	\$116,003.17	\$726,546.17	\$493,213.80	\$93,710.62	\$586,924.42	\$638,397.00	\$121,295.43	\$759,692.43	\$580,171.93	\$691,054.34
1128	Mantenimiento preventivo 500 horas		UND	1		\$752,205.00	\$142,918.95	\$895,123.95	\$768,626.00	\$146,038.94	\$914,664.94	\$516,591.90	\$98,152.46	\$614,744.36	\$679,140.97	\$808,177.75
1129	Mantenimiento preventivo 1000 horas		UND	1		\$699,438.00	\$132,893.22	\$832,331.22	\$1,142,484.00	\$217,071.96	\$1,359,555.96	\$523,401.90	\$99,446.36	\$622,848.26	\$788,441.30	\$938,245.15
1130	Mantenimiento preventivo 2000 horas		UND	1		\$497,218.50	\$94,471.52	\$591,690.02	\$716,380.00	\$136,112.20	\$852,492.20	\$1,034,301.00	\$196,517.19	\$1,230,818.19	\$749,299.83	\$891,666.80
1131	Desmontar y montar motor de vibracion rodillo compactador		UND	1		\$2,151,379.20	\$408,762.05	\$2,560,141.25	\$2,381,236.00	\$452,434.84	\$2,833,670.84	\$3,314,763.00	\$629,804.97	\$3,944,567.97	\$2,615,792.73	\$3,112,793.35
1132	Cambio De Vidrio Y Empaque De La Cabina (un solo)		UND	1		\$572,329.00	\$108,742.51	\$681,071.51	\$538,366.00	\$102,289.54	\$640,655.54	\$431,576.64	\$81,999.56	\$513,576.20	\$514,090.55	\$611,767.75
1133	Cambio De Espejos Retrovisores		JUEGO	1		\$218,023.00	\$41,424.37	\$259,447.37	\$311,062.00	\$59,101.78	\$370,163.78	\$173,603.52	\$32,984.67	\$206,588.19	\$234,229.51	\$278,733.11
1134	Cambio Soporte De Vibración		UND	1		\$1,481,038.92	\$281,397.39	\$1,762,436.31	\$1,712,344.00	\$325,345.36	\$2,037,689.36	\$2,158,969.00	\$410,204.11	\$2,569,173.11	\$1,784,117.31	\$2,123,099.59
1135	Cambio Correa De Ventilador		UND	1		\$698,404.00	\$132,696.76	\$831,100.76	\$369,519.00	\$70,208.61	\$439,727.61	\$352,072.44	\$66,893.76	\$418,966.20	\$473,331.81	\$563,264.86
1136	Mantenimiento De Motor: Cambio De Filtros y aceites		CONJUNTO	1		\$685,113.00	\$130,171.47	\$815,284.47	\$897,464.00	\$170,518.16	\$1,067,982.16	\$630,545.10	\$119,803.57	\$750,348.67	\$737,707.37	\$877,871.77
1137	Mantenimiento Hidráulico: Cambio De Aceite y filtros		CONJUNTO	1		\$1,053,046.00	\$200,078.74	\$1,253,124.74	\$517,323.30	\$98,291.43	\$615,614.73	\$688,003.00	\$126,920.57	\$794,923.57	\$746,124.10	\$887,887.68
1138	Revision y calibración electroválvulas de vibración		UND	1		\$1,056,085.00	\$200,656.15	\$1,256,741.15	\$849,402.00	\$161,386.38	\$1,010,788.38	\$1,269,753.00	\$241,253.07	\$1,511,006.07	\$1,058,413.33	\$1,259,511.87
1139	Arreglo de Luces		UND	1		\$428,572.00	\$81,428.68	\$510,000.68	\$389,602.08	\$74,024.40	\$463,626.48	\$699,164.00	\$132,841.16	\$832,005.16	\$505,779.36	\$601,877.44
1140	Vulcanizada de llanta		UND	1		\$339,414.00	\$64,488.66	\$403,902.66	\$589,959.00	\$112,092.21	\$702,051.21	\$328,999.20	\$62,509.85	\$391,509.05	\$419,457.40	\$499,154.31
1141	Desmontar y montar baterías		UND	1		\$45,424.80	\$8,630.71	\$54,055.51	\$57,303.00	\$10,887.57	\$68,190.57	\$88,842.00	\$16,879.98	\$105,721.98	\$63,856.60	\$75,989.35
1142	Desmontar y montar llanta trasera		UND	1		\$203,352.60	\$38,636.99	\$241,989.59	\$361,694.00	\$68,721.86	\$430,415.86	\$271,178.00	\$51,523.82	\$322,701.82	\$278,741.53	\$331,702.42
1143	Despinchada de llanta		UND	1		\$336,381.00	\$63,912.39	\$400,293.39	\$213,480.30	\$40,561.26	\$254,041.56	\$264,944.00	\$50,339.36	\$315,283.36	\$271,601.77	\$323,206.10
1144	Desmontar y montar mangueras sistema hidraulico (una con otra)		UND	1		\$828,937.00	\$157,498.03	\$986,435.03	\$405,981.36	\$77,136.46	\$483,117.82	\$428,165.00	\$81,351.35	\$509,516.35	\$554,361.12	\$659,689.73
1145	solo Lado)		UND	1		\$446,407.20	\$84,817.37	\$531,224.57	\$620,499.00	\$117,894.81	\$738,393.81	\$447,937.00	\$85,108.03	\$533,045.03	\$504,947.73	\$600,887.80
1146	Ajuste soportes cabina		UND	1		\$416,946.24	\$79,219.79	\$496,166.03	\$750,453.00	\$142,586.07	\$893,039.07	\$464,274.00	\$88,212.06	\$552,486.06	\$543,891.08	\$647,230.39
1147	Desmontar y montar bomba hidraulica principal		UND	1		\$1,457,086.00	\$276,846.34	\$1,733,932.34	\$975,435.00	\$185,332.65	\$1,160,767.65	\$773,802.30	\$147,022.44	\$920,824.74	\$1,068,774.43	\$1,271,841.58
1148	laterales, rectificacion de platos y cambio de partes en mal estado		UND	1		\$9,067,442.00	\$1,722,813.98	\$10,790,255.98	\$5,678,922.00	\$1,078,995.18	\$6,757,917.18	\$4,329,965.52	\$822,693.45	\$5,152,658.97	\$6,358,776.51	\$7,566,944.04
1149	Cambio de rodamiento de bolas rodillo compactador rodamiento interno		UND	1		\$910,299.2										

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS					VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION															
1158	Sevicio de grua en camabaja incluido cabezote precio por kilometros			UND	1	\$54,882.00	\$10,427.58	\$65,309.58	\$64,154.00	\$12,189.26	\$76,343.26	\$122,290.00	\$23,235.10	\$145,525.10	\$80,442.00	\$95,725.98
	BULDOZER KOMATSU D65 EX15EO															
	REPUESTOS															
	DESCRIPCION			UNIDAD	CANT											
1159	Filtro aire externo 600-185-5110			UND	1	\$516,009.69	\$98,041.84	\$614,051.53	\$698,501.00	\$132,715.19	\$831,216.19	\$927,657.00	\$176,254.83	\$1,103,911.83	\$714,055.90	\$849,726.52
1160	Filtro aire interno 600-185-5120			UND	1	\$921,483.00	\$175,081.77	\$1,096,564.77	\$1,661,300.00	\$315,647.00	\$1,976,947.00	\$638,204.67	\$121,258.89	\$759,463.56	\$1,073,662.56	\$1,277,658.44
1161	Filtro de aceite 6742-01-4540			UND	1	\$355,151.00	\$67,478.69	\$422,629.69	\$305,513.37	\$58,047.54	\$363,560.91	\$582,465.00	\$110,668.35	\$693,133.35	\$414,376.46	\$493,107.98
1162	Filtro de combustible 6004111191			UND	1	\$407,080.00	\$77,345.20	\$484,425.20	\$574,530.00	\$109,160.70	\$683,690.70	\$370,263.55	\$70,350.07	\$440,613.62	\$450,624.52	\$536,243.17
1163	Filtro Separador 600-319-3610			UND	1	\$448,401.83	\$85,196.35	\$533,598.18	\$603,300.00	\$114,627.00	\$717,927.00	\$836,938.00	\$159,018.22	\$995,956.22	\$629,546.61	\$749,160.47
1164	Filtro hidraulico 154-15-65561			UND	1	\$1,437,336.00	\$273,093.84	\$1,710,429.84	\$1,047,911.00	\$199,103.09	\$1,247,014.09	\$722,598.17	\$137,293.65	\$859,891.82	\$1,069,281.72	\$1,272,445.25
1165	Filtro transmision PT516			UND	1	\$936,031.00	\$177,845.89	\$1,113,876.89	\$719,770.86	\$136,756.46	\$856,527.32	\$1,707,133.00	\$324,355.27	\$2,031,488.27	\$1,120,978.29	\$1,333,964.16
1166	Filtro agua WC5711			UND	1	\$485,162.00	\$92,180.78	\$577,342.78	\$361,803.00	\$68,742.57	\$430,545.57	\$294,787.76	\$56,009.67	\$350,797.43	\$380,584.25	\$452,895.26
1167	45gados			UND	1	\$1,111,387.00	\$211,163.53	\$1,322,550.53	\$1,475,120.00	\$280,272.80	\$1,755,392.80	\$853,378.56	\$162,141.93	\$1,015,520.49	\$1,146,628.52	\$1,364,487.84
1168	Manguera hidraulica R2 x 30cm con acoples			UND	1	\$1,484,248.00	\$282,007.12	\$1,766,255.12	\$1,815,164.00	\$344,881.16	\$2,160,045.16	\$993,993.48	\$188,858.76	\$1,182,852.24	\$1,431,135.16	\$1,703,050.84
1169	Manguera hidraulica R12 3/4 con acoples x 1.50 mts			UND	1	\$996,924.00	\$189,415.56	\$1,186,339.56	\$1,967,422.00	\$373,810.18	\$2,341,232.18	\$938,892.60	\$178,389.59	\$1,117,282.19	\$1,301,079.53	\$1,548,284.64
1170	Manguera hidraulica R2 3/8 con acoples			UND	1	\$1,821,109.00	\$346,010.71	\$2,167,119.71	\$936,817.92	\$177,995.40	\$1,114,813.32	\$1,095,115.00	\$208,071.85	\$1,303,186.85	\$1,284,347.31	\$1,528,373.29
1171	Manguera hidraulica con acoples R2 3/8 X 1.20 MTS			UND	1	\$799,138.00	\$151,836.22	\$950,974.22	\$600,533.64	\$114,101.39	\$714,635.03	\$940,645.00	\$178,722.55	\$1,119,367.55	\$780,105.55	\$928,325.60
1172	Manguera hidraulica 1" x1.04 mts con acoples			UND	1	\$1,182,102.48	\$224,599.47	\$1,406,701.95	\$1,197,427.00	\$227,511.13	\$1,424,938.13	\$1,967,231.00	\$373,773.89	\$2,341,004.89	\$1,448,920.16	\$1,724,214.99
1173	Soportes de motor			UND	1	\$1,083,573.00	\$205,878.87	\$1,289,451.87	\$2,077,277.00	\$394,682.63	\$2,471,959.63	\$742,348.80	\$141,046.27	\$883,395.07	\$1,301,066.27	\$1,548,268.86
1174	Empaquetadura superior 6150-k1-9901			UND	1	\$2,129,793.00	\$404,660.67	\$2,534,453.67	\$1,222,430.00	\$232,261.70	\$1,454,691.70	\$1,155,080.88	\$219,465.37	\$1,374,546.25	\$1,502,434.63	\$1,787,897.21
1175	Empaquetadura inferior 6150-k2-9901			UND	1	\$1,138,220.00	\$216,261.80	\$1,354,481.80	\$1,469,582.00	\$279,220.58	\$1,748,802.58	\$976,956.12	\$185,621.66	\$1,162,577.78	\$1,194,919.37	\$1,421,954.05
1176	Bomba de agua motor			UND	1	\$3,850,448.00	\$731,585.12	\$4,582,033.12	\$5,404,096.00	\$1,026,778.24	\$6,430,874.24	\$3,788,010.00	\$719,721.90	\$4,507,731.90	\$4,347,518.00	\$5,173,546.42
1177	bomba pila transferencia			UND	1	\$14,655,609.00	\$2,784,565.71	\$17,440,174.71	\$27,471,724.00	\$5,219,627.56	\$32,691,351.56	\$10,078,391.52	\$1,914,894.39	\$11,993,285.91	\$17,401,908.17	\$20,708,270.73
1178	Pistones con pasadores 6745312110			UND	1	\$3,137,686.00	\$596,160.34	\$3,733,846.34	\$5,054,142.00	\$960,286.98	\$6,014,428.98	\$2,994,129.00	\$568,884.51	\$3,563,013.51	\$3,728,652.33	\$4,437,096.28
1179	Biela 6743313101			UND	1	\$811,694.16	\$154,221.89	\$965,916.05	\$1,666,825.00	\$316,696.75	\$1,983,521.75	\$1,007,216.00	\$191,371.04	\$1,198,587.04	\$1,161,911.72	\$1,382,674.95
1180	Cigüeñal 6745311120			UND	1	\$14,529,501.00	\$2,760,605.19	\$17,290,106.19	\$14,713,627.00	\$2,795,589.13	\$17,509,216.13	\$13,951,126.80	\$2,650,714.09	\$16,601,840.89	\$14,398,084.93	\$17,133,721.07
1181	Juego de asientos valvulas motor			JUEGO	1	\$1,000,708.00	\$190,134.52	\$1,190,842.52	\$1,681,495.00	\$319,484.05	\$2,000,979.05	\$838,194.48	\$159,256.95	\$997,451.43	\$1,173,465.83	\$1,396,424.33
1182	Camisas 6742015159			UND	1	\$3,900,445.56	\$741,084.66	\$4,641,530.22	\$3,973,757.00	\$755,013.83	\$4,728,770.83	\$7,564,119.00	\$1,437,182.61	\$9,001,301.61	\$5,146,107.19	\$6,123,867.55
1183	Vavula de admision			UND	1	\$986,666.00	\$187,466.54	\$1,174,132.54	\$854,151.12	\$162,288.71	\$1,016,439.83	\$1,580,673.00	\$300,327.87	\$1,881,000.87	\$1,140,496.71	\$1,357,191.08
1184	Valvula escape			UND	1	\$2,550,109.00	\$484,520.71	\$3,034,629.71	\$1,082,015.28	\$205,582.90	\$1,287,598.18	\$1,321,697.00	\$251,122.43	\$1,572,819.43	\$1,651,273.76	\$1,965,015.77
1185	Guias valvulas			UND	1	\$1,037,725.92	\$197,167.92	\$1,234,893.84	\$1,296,610.00	\$246,355.90	\$1,542,965.90	\$1,173,994.00	\$223,058.86	\$1,397,052.86	\$1,169,443.31	\$1,391,637.53
1186	Bujes de biela 6743313121			UND	1	\$869,724.00	\$165,247.56	\$1,034,971.56	\$1,201,302.00	\$228,247.38	\$1,429,549.38	\$932,645.00	\$177,202.55	\$1,109,847.55	\$1,001,223.67	\$1,191,456.16
1187	Casquetes de biela 0.25 6150-39-3040			UND	1	\$1,359,810.00	\$258,363.90	\$1,618,173.90	\$1,208,827.00	\$229,677.13	\$1,438,504.13	\$842,043.60	\$159,988.28	\$1,002,031.88	\$1,136,893.53	\$1,352,903.30
1188	Casquetes de bancada 0.25 6150-29-8010			UND	1	\$1,604,651.00	\$304,883.69	\$1,909,534.69	\$1,051,845.00	\$199,850.55	\$1,251,695.55	\$1,007,988.84	\$191,517.88	\$1,199,506.72	\$1,221,494.95	\$1,453,578.99
1189	Bomba de aceite 6745311120			UND	1	\$4,724,053.65	\$897,570.19	\$5,621,623.84	\$8,897,814.00	\$1,690,584.66	\$10,588,398.66	\$4,829,276.00	\$917,562.44	\$5,746,838.44	\$6,150,381.22	\$7,318,953.65
1190	Balancines Juego 6745415401			JUEGO	1	\$2,242,379.00	\$426,052.01	\$2,668,431.01	\$1,668,957.84	\$317,101.99	\$1,986,059.83	\$2,240,166.00	\$425,631.54	\$2,665,797.54	\$2,050,500.95	\$2,440,096.13
1191	Juego de anillos pistón 6150-32-2030			JUEGO	1	\$2,404,392.00	\$456,834.48	\$2,861,226.48	\$4,192,617.00	\$796,597.23	\$4,989,214.23	\$2,328,875.64	\$442,486.37	\$2,771,362.01	\$2,975,294.88	\$3,540,600.91
1192	Bujes eje de levas 6150-21-1490			UND	1	\$2,075,196.00	\$394,287.24	\$2,469,483.24	\$1,640,056.00	\$311,610.64	\$1,951,666.64	\$1,181,768.40	\$224,536.00	\$1,406,304.40	\$1,632,340.13	\$1,942,484.76
1193	Tapa lateral de motor			UND	1	\$865,012.32	\$164,352.34	\$1,029,364.66	\$2,053,009.00	\$390,071.71	\$2,443,080.71	\$1,229,087.00	\$233,526.53	\$1,462,613.53	\$1,382,369.44	\$1,645,019.63
1194	Sensor de temperatura refrigerante motor			UND	1	\$1,239,522.00	\$235,509.18	\$1,475,031.18	\$1,638,101.00	\$311,239.19	\$1,949,340.19	\$1,052,749.80	\$200,022.46	\$1,252,772.26	\$1,310,124.27	\$1,559,047.88
1195	Sensor de temperatura aceite tren de potencia			UND	1	\$956,591.00	\$181,752.29	\$1,138,343.29	\$1,541,687.00	\$292,920.53	\$1,834,607.53	\$900,757.44	\$171,143.91	\$1,071,901.35	\$1,133,011.81	\$1,348,284.06
1196	Sensor de temperatura aceite hidraulico			UND	1	\$1,112,825.52	\$211,436.85	\$1,324,262.37	\$2,298,998.00	\$436,809.62	\$2,735,807.62	\$1,310,320.00	\$248,960.80	\$1,559,280.80	\$1,574,047.84	\$1,873,116.93
1197	Indicador temperatura motor			UND	1	\$1,672,535.00	\$317,781.65	\$1,990,316.65	\$911,735.28	\$173,229.70	\$1,084,964.98	\$1,268,136.00	\$240,945.84	\$1,509,081.84	\$1,284,135.43	\$1,528,121.16
1198	Biela motor 6150-31-3100			UND	1	\$1,948,548.00	\$370,224.12	\$2,318,772.12	\$810,018.00	\$153,903.42	\$963,921.42	\$1,148,233.00	\$218,164.27	\$1,366,397.27	\$1,302,266.33	\$1,549,696.94
1199	Reloj temperatura			UND	1	\$714,322.00	\$135,721.18	\$850,043.18	\$709,263.00	\$134,759.97	\$844,022.97	\$760,242.00	\$144,445.98	\$904,687.98	\$727,942.33	\$866,251.38
1200	Indicador presión aceite			UND	1	\$826,628.40	\$157,059.40	\$983,687.80	\$1,520,402.00	\$288,876.38	\$1,809,278.38	\$981,597.00	\$186,503.43	\$1,168,100.43	\$1,109,542.47	\$1,320,355.54
1201	Pera eléctrica temperatura			UND	1	\$642,154.00	\$122,009.26	\$764,163.26	\$551,075.76	\$104,704.39	\$655,780.15	\$1,151,607.00	\$218,805.33	\$1,370,412.33	\$781,612.25	\$930,118.58
1202	Reloj temperatura transmision			UND	1	\$653,861.88	\$124,233.76	\$778,095.64	\$1,298,672.00	\$246,747.68	\$1,545,419.68	\$888,009.00	\$168,721.71	\$1,056,730.71	\$946,847.63	\$1,126,748.68
1203	Pera temperatura aceite			UND	1	\$751,768.00	\$142,835.92	\$894,603.92	\$1,344,332.00	\$255,423.08	\$1,599,755.08	\$532,278.36	\$101,132.89	\$633,411.25	\$876,126.12	\$1,042,590.08
1204	Pera presión aceite			UND	1	\$923,547.00	\$175,473.93	\$1,099,020.93	\$765,024.12	\$145,354.58	\$910,378.70	\$1,231,359.00	\$233,958.21	\$1,46		

ÍTEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS		VR. UNITARIO SIN IVA			IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA	
	DESCRIPCION															
1214	Correa alternador		UND	1	\$501,459.00	\$95,277.21	\$596,736.21	\$349,290.72	\$66,365.24	\$415,655.96	\$832,541.00	\$158,182.79	\$990,723.79	\$561,096.91	\$667,705.32	
1215	empaquetadura completa reparacion servotransmision		UND	1	\$12,588,799.00	\$2,391,871.81	\$14,980,670.81	\$16,086,547.00	\$3,056,443.93	\$19,142,990.93	\$11,018,584.08	\$2,093,530.98	\$13,112,115.06	\$13,231,310.03	\$15,745,258.93	
1216	Motor hidraulico ventilador		UND	1	\$2,892,230.00	\$549,523.70	\$3,441,753.70	\$2,027,446.20	\$2,412,660.98	\$4,469,504.00	\$385,214.78	\$849,205.76	\$5,318,709.76	\$3,129,726.73	\$3,724,374.81	
1217	Empaquetadura bomba de barrido		UND	1	\$2,232,361.08	\$424,148.61	\$2,656,509.69	\$2,923,153.00	\$555,399.07	\$3,478,552.07	\$2,485,416.00	\$472,229.04	\$2,957,645.04	\$2,546,976.69	\$3,030,902.27	
1218	Termostato		UND	1	\$497,077.56	\$94,444.74	\$591,522.30	\$817,192.00	\$155,266.48	\$972,458.48	\$616,614.00	\$117,156.66	\$733,770.66	\$643,627.85	\$765,917.15	
1219	Empaquetadura bomba de motor ventilador		UND	1	\$1,575,317.00	\$299,310.23	\$1,874,627.23	\$2,137,255.00	\$406,078.45	\$2,543,333.45	\$1,205,685.36	\$229,080.22	\$1,434,765.58	\$1,639,419.12	\$1,950,908.75	
1220	empaquetadura botella tensor		UND	1	\$1,482,233.04	\$281,624.28	\$1,763,857.32	\$1,682,103.00	\$319,599.57	\$2,001,702.57	\$2,290,482.00	\$435,191.58	\$2,725,673.58	\$1,818,272.68	\$2,163,744.49	
1221	Cilindro hidraulico pala 144-63-X2012		UND	1	\$4,355,378.64	\$827,521.94	\$5,182,900.58	\$12,586,574.00	\$2,391,449.06	\$14,978,023.06	\$6,380,460.00	\$1,212,287.40	\$7,592,747.40	\$7,774,137.55	\$9,251,223.68	
1222	Empaquetadura cilindro hidraulico de levante		UND	1	\$1,497,099.00	\$284,448.81	\$1,781,547.81	\$1,163,732.85	\$221,109.24	\$1,384,842.09	\$1,733,100.00	\$329,289.00	\$2,062,389.00	\$1,464,643.95	\$1,742,926.30	
1223	Empaquetadura cilindro hidraulico de giro topadora		UND	1	\$2,385,835.00	\$453,308.65	\$2,839,143.65	\$1,463,912.55	\$278,143.38	\$1,742,055.93	\$1,684,471.00	\$320,049.49	\$2,004,520.49	\$1,844,739.52	\$2,195,240.02	
1224	Cuchillas 144-70-11131		UND	1	\$8,251,740.00	\$1,567,830.60	\$9,819,570.60	\$4,301,082.00	\$817,205.58	\$5,118,287.58	\$3,066,595.20	\$582,653.09	\$3,649,248.29	\$5,206,472.40	\$6,195,702.16	
1225	Esquineros para la pala 14X-71-11330/40		UND	1	\$1,545,621.00	\$293,667.99	\$1,839,288.99	\$1,103,854.50	\$209,732.36	\$1,313,586.86	\$2,948,720.00	\$560,256.80	\$3,508,976.80	\$1,866,065.17	\$2,220,617.55	
1226	Tomillos con tuerca para las cuchillas 02090-11270		UND	1	\$345,948.00	\$65,730.12	\$411,678.12	\$211,715.00	\$40,225.85	\$251,940.85	\$167,980.95	\$31,916.38	\$199,897.33	\$241,881.32	\$287,838.77	
1227	Vidrio cabina 17A-211-1210		UND	1	\$1,201,674.24	\$228,318.11	\$1,429,992.35	\$1,509,037.00	\$286,717.03	\$1,795,754.03	\$2,749,960.00	\$522,492.40	\$3,272,452.40	\$1,820,223.75	\$2,166,066.26	
1228	Carril superior 14X-30-00143		UND	1	\$1,770,291.00	\$336,355.29	\$2,106,646.29	\$2,005,659.00	\$381,075.21	\$2,386,734.21	\$3,074,034.00	\$584,066.46	\$3,658,100.46	\$2,283,328.00	\$2,717,160.32	
1229	Carril inferior pestaña doble 14X-30-00136		UND	1	\$3,575,538.00	\$679,352.22	\$4,254,890.22	\$2,389,608.00	\$454,025.52	\$2,843,633.52	\$6,730,914.00	\$1,278,873.66	\$8,009,787.66	\$4,232,020.00	\$5,036,103.80	
1230	Carril inferior pestaña sencilla 14X-30-00135		UND	1	\$2,186,511.00	\$415,437.09	\$2,601,948.09	\$3,461,633.00	\$657,710.27	\$4,119,343.27	\$2,183,140.08	\$414,796.62	\$2,597,936.70	\$2,610,428.03	\$3,106,409.35	
1231	Zapatas 14X-32-15120		UND	1	\$1,533,337.00	\$291,334.03	\$1,824,671.03	\$1,678,411.00	\$318,898.09	\$1,997,309.09	\$1,151,649.45	\$218,813.40	\$1,370,462.85	\$1,454,465.82	\$1,730,814.32	
1232	Sellos espejo carril 205-30-00020		UND	1	\$1,205,711.00	\$229,085.09	\$1,434,796.09	\$1,367,662.00	\$259,855.78	\$1,627,517.78	\$832,117.32	\$158,102.29	\$990,219.61	\$1,135,163.44	\$1,350,844.49	
1233	Rueda tensora 14X-30-00116		UND	1	\$2,301,916.95	\$437,364.22	\$2,739,281.17	\$4,035,575.00	\$766,759.25	\$4,802,334.25	\$3,039,131.00	\$577,434.89	\$3,616,565.89	\$3,125,540.98	\$3,719,393.77	
1234	Silenciador 6155-81-7110		UND	1	\$6,200,536.00	\$1,178,101.84	\$7,378,637.84	\$4,333,190.00	\$823,306.10	\$5,156,496.10	\$3,278,601.72	\$622,934.33	\$3,901,536.05	\$4,604,109.24	\$5,478,890.00	
1235	Sproket KM2111		UND	1	\$1,528,592.00	\$290,432.48	\$1,819,024.48	\$1,038,658.50	\$197,345.11	\$1,236,003.61	\$1,483,712.00	\$281,905.28	\$1,765,617.28	\$1,350,320.83	\$1,606,881.79	
1236	Cremallera del volante 6742-01-5206		UND	1	\$1,529,756.00	\$290,653.64	\$1,820,409.64	\$3,058,990.00	\$581,208.10	\$3,640,198.10	\$3,660,559.88	\$258,506.38	\$1,619,066.26	\$1,983,101.96	\$2,359,891.33	
1237	Varillas impulsadoras 6742-01-5306		UND	1	\$121,522.68	\$23,089.31	\$144,611.99	\$162,644.00	\$30,902.36	\$193,546.36	\$149,371.00	\$28,380.49	\$177,751.49	\$144,512.56	\$171,969.95	
1238	Cadenas tren de rodaje MK2095/39		UND	1	\$32,678,429.04	\$6,208,901.52	\$38,887,330.56	\$38,469,056.00	\$7,309,120.64	\$45,778,176.64	\$65,766,633.00	\$12,495,660.27	\$78,262,293.27	\$45,638,039.35	\$54,309,266.82	
1239	Baterías 4D1400		UND	1	\$2,405,000.00	\$456,950.00	\$2,861,950.00	\$5,917,406.00	\$1,124,307.14	\$7,041,713.14	\$3,198,560.00	\$607,726.40	\$3,806,286.40	\$3,840,322.00	\$4,569,983.18	
1240	Resorte tensor 14Z-30-31111		UND	1	\$362,951.00	\$68,960.69	\$431,911.69	\$184,489.00	\$35,052.91	\$219,541.91	\$134,076.96	\$25,474.62	\$159,551.58	\$227,172.32	\$270,335.06	
1241	Revisiones eléctricas con cambio de bombillos y stop		UND	1	\$2,829,998.00	\$537,699.62	\$3,367,697.62	\$1,581,109.00	\$300,410.71	\$1,881,519.71	\$1,059,414.84	\$201,288.82	\$1,280,703.66	\$1,823,507.28	\$2,169,973.66	
1242	Motor de arranque 600-863-8112		UND	1	\$798,062.40	\$151,631.86	\$949,694.26	\$823,551.00	\$156,474.69	\$980,025.69	\$842,726.00	\$160,117.94	\$1,002,843.94	\$821,446.47	\$977,521.30	
1243	Tomillos 2 1/2 x 3/4 con tuerca		UND	1	\$1,028,679.30	\$195,448.07	\$1,224,128.37	\$1,711,052.00	\$325,099.88	\$2,036,151.88	\$1,311,333.00	\$249,153.27	\$1,560,486.27	\$1,350,354.77	\$1,606,922.17	
1244	07155-00720 Seal oring		UND	1	\$759,087.00	\$144,226.53	\$903,313.53	\$1,113,033.00	\$211,476.27	\$1,324,509.27	\$2,187,627.00	\$415,649.13	\$2,603,276.13	\$1,353,249.00	\$1,610,366.31	
1245	07000-15068 Seal oring		UND	1	\$1,170,353.16	\$222,367.10	\$1,392,720.26	\$2,305,426.00	\$438,030.94	\$2,743,456.94	\$1,682,258.00	\$319,629.02	\$2,001,887.02	\$1,719,345.72	\$2,046,021.41	
1246	09370-00070 Packing		UND	1	\$1,010,854.44	\$192,062.34	\$1,202,916.78	\$1,460,305.00	\$277,457.95	\$1,737,762.95	\$2,415,387.00	\$458,923.53	\$2,874,310.53	\$1,628,848.81	\$1,938,330.09	
1247	Tuercas zapata 154-32-21331		UND	1	\$93,284.28	\$17,724.01	\$111,008.29	\$97,343.00	\$18,495.17	\$115,838.17	\$162,609.00	\$30,895.71	\$193,504.71	\$117,745.43	\$140,117.00	
1248	Sellos espejo ruedas tensoras 141-30-00615		UND	1	\$410,488.20	\$77,992.76	\$488,480.96	\$811,914.00	\$154,263.66	\$966,177.66	\$471,257.00	\$89,538.83	\$560,795.83	\$564,553.07	\$671,818.15	
1249	Pasador cadena 144-32-21151		UND	1	\$1,085,534.00	\$206,251.46	\$1,291,785.46	\$1,830,166.00	\$347,731.54	\$2,177,897.54	\$913,677.12	\$173,598.65	\$1,087,275.77	\$1,276,459.04	\$1,518,986.26	
1250	Bujes cadena 144-32-21142		UND	1	\$1,161,822.00	\$220,746.18	\$1,382,568.18	\$1,419,739.00	\$269,750.41	\$1,689,489.41	\$1,109,902.68	\$210,881.51	\$1,320,784.19	\$1,230,487.89	\$1,464,280.59	
1251	Pareja de lines para cadena 144-32-11123		UND	1	\$1,393,310.00	\$264,728.90	\$1,658,038.90	\$1,323,953.00	\$251,551.07	\$1,575,504.07	\$1,000,590.12	\$190,112.12	\$1,190,702.24	\$1,239,284.37	\$1,474,748.40	
1252	Manzanas para tensoras 141-30-36144		UND	1	\$2,830,642.00	\$537,821.98	\$3,368,463.98	\$983,026.80	\$186,775.09	\$1,169,801.89	\$1,449,672.00	\$275,437.68	\$1,725,109.68	\$1,754,446.93	\$2,087,791.85	
1253	Bujes para tensora 141-30-36150		UND	1	\$1,306,617.00	\$248,257.23	\$1,554,874.23	\$2,270,974.00	\$431,485.06	\$2,702,459.06	\$871,319.16	\$165,550.64	\$1,036,869.80	\$1,482,970.05	\$1,764,734.36	
1254	Eje para tensora 141-30-33122		UND	1	\$2,332,171.00	\$443,112.49	\$2,775,283.49	\$1,224,501.00	\$232,655.19	\$1,457,156.19	\$1,072,433.52	\$203,762.37	\$1,276,195.89	\$1,543,035.17	\$1,836,211.86	
1255	Cufias para tensora 07052-31624		UND	1	\$256,072.68	\$48,653.81	\$304,726.49	\$321,853.00	\$61,152.07	\$383,005.07	\$385,688.00	\$73,280.72	\$458,968.72	\$321,204.56	\$382,233.43	
1256	Tapas para tensora 141-30-33182		UND	1	\$338,315.00	\$64,279.85	\$402,594.85	\$610,476.00	\$115,990.44	\$726,466.44	\$282,126.24	\$53,603.99	\$335,730.23	\$410,305.75	\$488,263.84	
1257	Varilla medidora de aceite 144-15-28140		UND	1	\$1,503,025.00	\$285,574.75	\$1,788,599.75	\$1,936,947.00	\$368,019.93	\$2,304,966.93	\$1,131,565.32	\$214,997.41	\$1,346,562.73	\$1,523,845.77	\$1,813,376.47	
1258	Sello convertidor 07011-10075		UND	1	\$1,246,847.04	\$236,900.94	\$1,483,747.98	\$2,191,682.00	\$416,419.58	\$2,608,101.58	\$1,290,200.00	\$245,138.00	\$1,535,338.00	\$1,576,243.01	\$1,875,729.19	
1259	Empaque tapa reparacion		UND	1	\$920,005.00	\$174,800.95	\$1,094,805.95	\$647,520.12	\$123,028.82	\$770,548.94	\$1,044,538.00	\$198,462.22	\$1,243,000.22	\$870,687.71	\$1,036,118.37	
1260	Empaquetadura BC		UND	1	\$861,027.00	\$163,595.13	\$1,024,622.13	\$750,839.40	\$142,659.49	\$893,498.89	\$1,114,297.00					

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUSTOS					VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION															
1273	07012-10095 Retenedor servo			UND	1	\$1,099,552.00	\$208,914.88	\$1,308,466.88	\$429,226.56	\$81,553.05	\$510,779.61	\$562,501.00	\$106,875.19	\$669,376.19	\$697,093.19	\$829,540.89
1274	Venas para zapatas de 22"			UND	1	\$640,221.84	\$121,642.15	\$761,863.99	\$957,412.00	\$181,908.28	\$1,139,320.28	\$1,833,486.00	\$348,362.34	\$2,181,848.34	\$1,143,706.61	\$1,361,010.87
1275	Preclainer pequeño 6Y9431			UND	1	\$570,435.00	\$108,382.65	\$678,817.65	\$1,071,089.00	\$203,506.91	\$1,274,595.91	\$437,454.36	\$83,116.33	\$520,570.69	\$692,992.79	\$824,661.42
1276	Preclainer grande 6685-81-7503			UND	1	\$493,593.84	\$93,782.83	\$587,376.67	\$546,070.00	\$103,753.30	\$649,823.30	\$1,065,274.00	\$202,402.06	\$1,267,676.06	\$701,645.95	\$834,958.68
1277	Tornillos carril 18x15x45			UND	1	\$194,981.00	\$37,046.39	\$232,027.39	\$182,306.16	\$34,638.17	\$216,944.33	\$355,870.00	\$67,615.30	\$423,485.30	\$244,385.72	\$290,819.01
1278	Vidrio puerta izquierda 17A-Z11-1263			UND	1	\$1,103,892.48	\$209,739.57	\$1,313,632.05	\$1,793,060.00	\$340,681.40	\$2,133,741.40	\$1,478,226.33	\$236,019.33	\$1,379,719.83	\$1,379,719.83	\$1,641,866.59
1279	Tubo de escape			UND	1	\$1,009,603.44	\$191,824.65	\$1,201,428.09	\$1,088,079.00	\$206,735.01	\$1,294,814.01	\$2,021,247.00	\$384,036.93	\$2,405,283.93	\$1,372,976.48	\$1,633,842.01
1280	Pasta acrílico Preclainer 6685-81-7540			UND	1	\$240,846.00	\$45,760.74	\$286,606.74	\$264,641.00	\$50,281.79	\$314,922.79	\$218,551.32	\$41,524.75	\$260,076.07	\$241,346.11	\$287,201.87
1281	Aletas metálicas			UND	1	\$703,416.00	\$133,649.04	\$837,065.04	\$1,301,382.00	\$247,262.58	\$1,548,644.58	\$484,480.44	\$92,051.28	\$576,531.72	\$829,759.48	\$987,413.78
1282	Tornillos 14mm x 2 1/2			UND	1	\$89,370.00	\$16,980.30	\$106,350.30	\$62,523.72	\$11,879.51	\$74,403.23	\$83,562.00	\$15,876.78	\$99,438.78	\$78,485.24	\$93,397.44
1283	0V212 Oring			UND	1	\$77,954.00	\$14,811.26	\$92,765.26	\$59,277.60	\$11,262.74	\$70,540.34	\$132,641.00	\$25,201.79	\$157,842.79	\$89,957.53	\$107,049.46
1284	0V216 oring			UND	1	\$76,981.00	\$14,626.39	\$91,607.39	\$65,228.76	\$12,393.46	\$77,622.22	\$111,944.00	\$21,269.36	\$133,213.36	\$84,717.92	\$100,814.32
1285	0212 oring			UND	1	\$136,846.00	\$26,000.74	\$162,846.74	\$196,016.00	\$37,243.04	\$233,259.04	\$98,796.60	\$18,771.35	\$117,567.95	\$143,886.20	\$171,224.58
1286	Empaques laterales motor			UND	1	\$1,355,788.00	\$257,599.72	\$1,613,387.72	\$788,505.00	\$149,815.95	\$938,320.95	\$576,059.40	\$109,451.29	\$685,510.69	\$906,784.13	\$1,079,073.12
1287	Zumbador de emergencia 24v			UND	1	\$560,633.76	\$106,520.41	\$667,154.17	\$827,709.00	\$157,264.71	\$984,973.71	\$1,096,987.00	\$208,427.53	\$1,305,414.53	\$828,443.25	\$985,847.47
1288	Eje bomba engranaje			UND	1	\$1,219,437.00	\$231,693.03	\$1,451,130.03	\$445,908.60	\$84,722.63	\$530,631.23	\$657,871.00	\$124,995.49	\$782,866.49	\$774,405.53	\$921,542.58
1289	Caimanes cadenas 14X-32-08020			JUEGO	1	\$751,710.96	\$142,825.08	\$894,536.04	\$757,575.00	\$143,939.25	\$901,514.25	\$1,475,849.00	\$280,411.31	\$1,756,260.31	\$995,044.99	\$1,184,103.53
1290	Válvula dosificadora			UND	1	\$1,302,754.00	\$247,523.26	\$1,550,277.26	\$913,039.92	\$173,477.58	\$1,086,517.50	\$1,980,979.00	\$376,386.01	\$2,357,365.01	\$1,398,924.31	\$1,664,719.92
1291	Juego de stops			JUEGO	1	\$2,510,452.00	\$476,985.88	\$2,987,437.88	\$1,310,144.00	\$248,927.36	\$1,559,071.36	\$1,239,989.04	\$235,597.92	\$1,475,586.96	\$1,686,861.68	\$2,007,365.40
1292	Pasadores cadena			UND	1	\$353,208.24	\$67,109.57	\$420,317.81	\$675,313.00	\$128,309.47	\$803,622.47	\$375,397.00	\$71,325.43	\$446,722.43	\$467,972.75	\$556,687.57
1293	Wasa 5/8 400147			UND	1	\$34,088.00	\$6,476.72	\$40,564.72	\$31,821.48	\$6,046.08	\$37,867.56	\$46,374.00	\$12,231.44	\$76,607.44	\$43,428.49	\$51,679.91
1294	Tuerca sprocket			UND	1	\$41,119.92	\$7,812.78	\$48,932.70	\$55,318.00	\$10,510.42	\$65,828.42	\$83,418.00	\$15,849.42	\$99,267.42	\$59,951.97	\$71,342.85
1295	Manzana y eje tensora			UND	1	\$1,353,563.64	\$257,177.09	\$1,610,740.73	\$2,822,958.00	\$536,362.02	\$3,359,320.02	\$1,523,311.00	\$289,429.09	\$1,812,740.09	\$1,899,944.21	\$2,260,933.61
1296	1313044140 Piston tensor			UND	1	\$1,293,308.00	\$245,728.52	\$1,539,036.52	\$865,824.48	\$164,506.65	\$1,030,331.13	\$1,672,911.00	\$317,853.09	\$1,990,764.09	\$1,277,347.83	\$1,520,043.91
1297	1413034230 Sello aceite tensor			UND	1	\$256,860.00	\$48,803.40	\$305,663.40	\$272,774.00	\$51,827.06	\$324,601.06	\$254,950.56	\$48,440.61	\$303,391.17	\$261,528.19	\$311,218.54
1298	Pines master cadena			UND	1	\$143,330.04	\$27,232.71	\$170,562.75	\$179,898.00	\$34,180.62	\$214,078.62	\$154,877.00	\$29,426.63	\$184,303.63	\$159,368.35	\$189,648.33
1299	Tapa tensora cadena, perforacion y torneada			UND	1	\$1,891,311.12	\$359,349.11	\$2,250,660.23	\$4,301,961.00	\$817,372.59	\$5,119,333.59	\$2,322,301.00	\$441,237.19	\$2,763,538.19	\$2,838,524.37	\$3,377,844.00
1300	platinas separador strip			UND	1	\$486,360.00	\$92,408.40	\$578,768.40	\$911,754.00	\$173,233.26	\$1,084,987.26	\$374,441.40	\$71,143.87	\$445,585.27	\$590,851.80	\$703,113.64
1301	Láminas separador strip			UND	1	\$687,355.00	\$130,597.45	\$817,952.45	\$459,452.16	\$87,295.91	\$546,748.07	\$1,371,650.00	\$260,613.50	\$1,632,263.50	\$839,485.72	\$998,988.01
1302	Venas zapatas de 22"			UND	1	\$722,745.00	\$137,321.55	\$860,066.55	\$630,727.00	\$119,838.13	\$750,565.13	\$602,462.16	\$114,467.81	\$716,929.97	\$651,978.05	\$775,853.88
1303	20N-60-11143 Medidor tanque hidraulico			UND	1	\$834,863.00	\$158,623.97	\$993,486.97	\$615,460.32	\$116,937.46	\$732,397.78	\$1,250,202.00	\$237,538.38	\$1,487,740.38	\$900,175.11	\$1,071,208.38
1304	Silenciador completo			UND	1	\$3,842,181.36	\$730,014.46	\$4,572,195.82	\$7,576,299.00	\$1,439,496.81	\$9,015,795.81	\$4,988,676.00	\$947,848.44	\$5,936,524.44	\$5,469,052.12	\$6,508,172.02
	MANO DE OBRA															
	DESCRIPCION			UNIDAD	CANT											
1305	Mantenimiento preventivo 250 horas			UND	1	\$535,253.10	\$101,698.09	\$636,951.19	\$581,050.00	\$110,399.50	\$691,449.50	\$742,114.00	\$141,001.66	\$883,115.66	\$619,472.37	\$737,172.12
1306	Mantenimiento preventivo 500 horas			UND	1	\$707,733.00	\$134,469.27	\$842,202.27	\$548,462.10	\$104,207.80	\$652,669.90	\$1,196,808.00	\$227,393.52	\$1,424,201.52	\$817,667.70	\$973,024.56
1307	Mantenimiento preventivo 1000 horas			UND	1	\$1,083,953.00	\$205,951.07	\$1,289,904.07	\$611,001.60	\$116,090.30	\$727,091.90	\$857,160.00	\$162,860.40	\$1,020,020.40	\$850,704.87	\$1,012,338.79
1308	Mantenimiento preventivo 2000 horas			UND	1	\$1,178,052.00	\$223,829.88	\$1,401,881.88	\$524,243.40	\$99,606.25	\$623,849.65	\$768,354.00	\$145,987.26	\$914,341.26	\$823,549.80	\$980,024.26
1309	Desmontar y montar motor			UND	1	\$5,170,504.00	\$982,395.76	\$6,152,899.76	\$7,434,865.00	\$1,412,624.35	\$8,847,489.35	\$4,182,731.70	\$794,719.02	\$4,977,450.72	\$5,596,033.57	\$6,659,279.94
1310	rectificadora			GLOBAL	1	\$10,279,635.00	\$1,953,130.65	\$12,232,765.65	\$5,780,473.00	\$1,098,289.87	\$6,878,762.87	\$5,338,450.50	\$1,014,305.60	\$6,352,756.10	\$7,132,852.83	\$8,488,094.87
1311	Desmontar y montar soportes de motor (un solo)			UND	1	\$1,139,771.00	\$216,556.49	\$1,356,327.49	\$808,409.52	\$153,597.81	\$962,007.33	\$1,364,834.00	\$259,318.46	\$1,624,152.46	\$1,104,338.17	\$1,314,162.43
1312	Desmontar y montar soportes servotransmission (un solo)			UND	1	\$1,805,350.00	\$343,016.50	\$2,148,366.50	\$818,877.60	\$155,586.74	\$974,464.34	\$921,775.00	\$175,137.25	\$1,096,912.25	\$1,182,000.87	\$1,406,581.03
1313	Desmontar y montar servotransmission			UND	1	\$1,052,245.08	\$199,926.57	\$1,252,171.65	\$2,677,504.00	\$508,725.76	\$3,186,229.76	\$1,339,047.00	\$254,418.93	\$1,593,465.93	\$1,689,598.69	\$2,010,622.45
1314	Cambio de empaquetaduras de las válvulas direccionales de la servo			UND	1	\$981,807.12	\$186,543.35	\$1,168,350.47	\$1,656,901.00	\$314,811.19	\$1,971,712.19	\$1,377,401.00	\$261,706.19	\$1,639,107.19	\$1,338,703.04	\$1,593,056.62
1315	M.O reparacion general servotransmission incluye cambio de partes afectadas			GLOBAL	1	\$6,090,092.64	\$1,157,117.60	\$7,247,210.24	\$6,812,101.00	\$1,294,299.19	\$8,106,400.19	\$10,244,370.00	\$1,946,430.30	\$12,190,800.30	\$7,715,821.21	\$9,181,470.24
1316	Desmontar y montar bomba de agua motor			UND	1	\$1,300,737.00	\$247,140.03	\$1,547,877.03	\$836,901.00	\$159,011.19	\$995,912.19	\$724,249.80	\$137,607.46	\$861,857.26	\$953,962.60	\$1,135,215.49
1317	Reparacion general bomba de agua motor			UND	1	\$2,363,377.00	\$449,041.63	\$2,812,418.63	\$1,788,471.00	\$339,809.49	\$2,128,280.49	\$4,076,090.00	\$774,457.10	\$4,850,547.10	\$2,742,646.00	\$3,263,748.74
1318	empaquetaduras (uno solo)			UND	1	\$1,164,246.00	\$221,206.74	\$1,385,452.74	\$1,302,880.00	\$247,547.20	\$1,550,427.20	\$794,386.80	\$150,933.49	\$945,320.29	\$1,087,170.93	\$1,293,733.41
1319	empaquetadura (uno solo)			UND	1	\$758,271.96	\$144,071.67	\$902,343.63	\$1,258,073.00	\$239,033.87	\$1,497,106.87	\$854,891.00	\$162,429.29	\$1,017,320.29	\$957,078.65	\$1,138,923.60
1320	Servicio de diagnostico escaner			UND	1	\$728,281.00	\$138,373.39	\$866,654.39	\$593,175.00	\$112,703.25	\$705,878.25	\$491,310.36	\$93,348.97	\$584,659.33	\$604,255.45	\$719,063.99
1321	switches) (uno solo)			UND	1	\$197,953.00	\$37,611.07	\$235,564.07	\$162,496.80	\$30,874.39	\$193,371.19	\$233,625.00	\$61,488.75	\$385,113.75	\$228,024.93	\$271,349.67
1322	empaquetadura y															

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO			
	DESCRIPCION	REPUESTOS					MAZDA SUR REPRESENTACIONES					DYPAL S.A.S.						
		VR. UNITARIO SIN IVA	IVA			VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA	
1330	Cambio de carriles inferiores (uno solo)	UND	1	\$889,075.44	\$168,924.33	\$1,057,999.77	\$1,289,210.00	\$244,949.90	\$1,534,159.90	\$1,010,992.00	\$192,088.48	\$1,203,080.48	\$1,063,092.48	\$1,265,080.05				
1331	Cambio zapata (una sola)	UND	1	\$1,188,698.00	\$225,852.62	\$1,414,550.62	\$1,584,101.00	\$300,979.19	\$1,885,080.19	\$943,534.80	\$179,271.61	\$1,122,806.41	\$1,238,777.93	\$1,474,145.74				
1332	Cambio de vidrios y empaques de la cabina (uno solo)	UND	1	\$705,110.40	\$133,970.98	\$839,081.38	\$874,696.00	\$166,192.24	\$1,040,886.24	\$1,264,080.00	\$240,175.20	\$1,504,255.20	\$947,962.13	\$1,128,074.94				
1333	Cambio correa de ventilador	UND	1	\$121,479.48	\$23,081.10	\$144,560.58	\$176,592.00	\$33,552.48	\$210,144.48	\$300,784.00	\$57,148.96	\$357,932.96	\$199,618.49	\$237,546.01				
1334	Arreglo carracas rueda tensora (una sola)	UND	1	\$519,659.00	\$98,735.21	\$618,394.21	\$460,103.00	\$87,419.57	\$547,522.57	\$415,716.48	\$78,986.13	\$494,702.61	\$465,159.49	\$553,539.80				
1335	Reconstruir carriles superiores (uno solo)	UND	1	\$914,122.00	\$173,683.18	\$1,087,805.18	\$723,464.28	\$137,458.21	\$860,922.49	\$1,800,183.00	\$342,034.77	\$2,142,217.77	\$1,145,923.09	\$1,363,648.48				
1336	Desmontar bastidores	UND	1	\$1,253,557.00	\$238,175.83	\$1,491,732.83	\$610,731.00	\$116,038.89	\$726,769.89	\$693,277.00	\$131,722.63	\$824,999.63	\$852,521.67	\$1,014,500.78				
1337	Desmontar y montar cadena tren de rodamiento	UND	1	\$1,616,076.72	\$307,054.58	\$1,923,131.30	\$1,915,658.00	\$363,975.02	\$2,279,633.02	\$3,449,804.00	\$655,462.76	\$4,105,266.76	\$2,327,179.57	\$2,769,343.69				
1338	Desmontar y montar motor hidraulico ventiladora radiador para reparacion	UND	1	\$1,321,431.00	\$251,071.89	\$1,572,502.89	\$737,081.00	\$140,045.39	\$877,126.39	\$559,359.00	\$106,278.21	\$665,637.21	\$872,623.67	\$1,038,422.16				
1339	Desmontar y montar termostato motor	UND	1	\$1,875,306.00	\$356,308.14	\$2,231,614.14	\$914,991.48	\$173,848.38	\$1,088,839.86	\$1,101,696.00	\$209,322.24	\$1,311,018.24	\$1,297,331.16	\$1,543,824.08				
1340	Desmontar y montar preclaiar	UND	1	\$807,597.00	\$153,443.43	\$961,040.43	\$567,805.32	\$107,883.01	\$675,688.33	\$620,187.00	\$117,835.53	\$738,022.53	\$665,196.44	\$791,583.76				
1341	Desmontar y montar rueda tensora(un solo lado)	UND	1	\$919,064.88	\$174,622.33	\$1,093,687.21	\$1,104,279.00	\$209,813.01	\$1,314,092.01	\$1,001,228.00	\$190,233.32	\$1,191,461.32	\$1,008,190.63	\$1,199,746.85				
1342	Desarme y armado de tensora (una sola)	UND	1	\$613,712.16	\$116,605.31	\$730,317.47	\$1,140,496.00	\$216,694.24	\$1,357,190.24	\$873,250.00	\$165,917.50	\$1,039,167.50	\$875,819.39	\$1,042,225.07				
1343	Reconstruccion de rueda tensora (una sola)	UND	1	\$942,821.00	\$179,135.99	\$1,121,956.99	\$745,820.28	\$141,705.85	\$887,526.13	\$1,166,543.00	\$221,643.17	\$1,388,186.17	\$951,728.09	\$1,132,556.43				
1344	Cambio de relojes o indicadores tablero	UND	1	\$1,340,543.00	\$254,703.17	\$1,595,246.17	\$815,777.00	\$154,997.63	\$970,774.63	\$562,928.04	\$106,956.33	\$669,884.37	\$906,416.01	\$1,078,635.06				
1345	Corrección fugas de combustible	UND	1	\$773,572.00	\$146,978.68	\$920,550.68	\$567,248.76	\$107,777.26	\$675,026.02	\$1,472,964.00	\$279,863.16	\$1,752,827.16	\$937,928.25	\$1,116,134.62				
1346	Desmontar y montar pechera	UND	1	\$930,978.00	\$176,885.82	\$1,107,863.82	\$514,789.92	\$97,810.08	\$612,600.00	\$597,477.00	\$710,997.63	\$1,308,494.63	\$681,081.64	\$810,487.15				
1347	Instalación de baterías	UND	1	\$106,943.00	\$20,319.17	\$127,262.17	\$156,182.00	\$29,674.58	\$185,856.58	\$77,276.88	\$14,682.61	\$91,959.49	\$113,467.29	\$135,026.08				
1348	Desmontar y montar alternador	UND	1	\$661,513.24	\$106,687.52	\$668,200.76	\$635,951.00	\$120,830.69	\$756,781.69	\$835,823.00	\$158,806.37	\$994,629.37	\$677,762.41	\$806,537.27				
1349	Reparacion general de alternador incluye cambio de partes afectadas	GLOBAL	1	\$934,869.96	\$177,625.29	\$1,112,495.25	\$1,397,010.00	\$265,431.90	\$1,662,441.90	\$1,860,188.00	\$353,435.72	\$2,213,623.72	\$1,397,355.99	\$1,662,853.62				
1350	Desmontar y montar motor de arranque	UND	1	\$1,946,319.00	\$369,800.61	\$2,316,119.61	\$1,743,978.00	\$331,355.82	\$2,075,333.82	\$3,048,246.00	\$579,166.74	\$3,627,412.74	\$2,246,181.00	\$2,672,955.39				
1351	Reparacion general de arranque incluye cambio de partes afectadas	GLOBAL	1	\$1,812,847.50	\$344,441.03	\$2,157,288.53	\$2,106,161.00	\$400,170.59	\$2,506,331.59	\$1,977,852.00	\$375,791.88	\$2,353,643.88	\$1,965,620.17	\$2,339,088.00				
1352	Pintura general equipo	UND	1	\$9,730,285.56	\$1,848,754.26	\$11,579,039.82	\$12,064,570.00	\$2,292,268.30	\$14,356,838.30	\$20,174,395.00	\$3,833,135.05	\$24,007,530.05	\$13,989,750.19	\$16,647,802.72				
1353	Tapizada y arreglo de silla operador	UND	1	\$1,188,499.68	\$225,814.94	\$1,414,314.62	\$1,514,197.00	\$287,697.43	\$1,801,894.43	\$1,399,883.00	\$265,977.77	\$1,665,860.77	\$1,367,526.56	\$1,627,356.61				
1354	Cambio de crucetas cardán	UND	1	\$518,324.00	\$98,481.56	\$616,805.56	\$852,379.00	\$161,952.01	\$1,014,331.01	\$479,918.88	\$91,184.59	\$571,103.47	\$616,873.96	\$734,080.01				
1355	Desmonte de bomba hidraulica	UND	1	\$983,566.20	\$186,877.58	\$1,170,443.78	\$1,721,294.00	\$327,045.86	\$2,048,339.86	\$1,143,795.00	\$1,361,116.05	\$1,282,885.07	\$1,526,633.23	\$1,800,487.15				
1356	Desmontar bomba de frenos	UND	1	\$1,492,095.00	\$283,498.05	\$1,775,593.05	\$1,012,310.64	\$192,339.02	\$1,204,649.66	\$2,163,166.00	\$411,001.54	\$2,574,167.54	\$1,555,857.21	\$1,851,470.08				
1357	Desmontaje y montaje radiadores y enfriadores de aceite	UND	1	\$2,745,623.00	\$521,668.37	\$3,267,291.37	\$1,920,459.00	\$364,887.21	\$2,285,346.21	\$1,350,910.80	\$256,673.05	\$1,607,583.85	\$2,005,664.27	\$2,386,740.48				
1358	Mantenimiento de radiador y enfriador	UND	1	\$834,183.72	\$158,494.91	\$992,678.63	\$1,524,725.00	\$289,697.75	\$1,814,422.75	\$906,817.00	\$172,295.23	\$1,079,112.23	\$1,088,575.24	\$1,295,404.54				
1359	Instalar venas a zapatas (una sola)	UND	1	\$483,649.00	\$91,893.31	\$575,542.31	\$879,082.00	\$167,025.58	\$1,046,107.58	\$409,003.20	\$77,710.61	\$486,713.81	\$590,758.07	\$702,787.90				
1360	Desmontar y Montar de inyector (uno solo)	UND	1	\$484,668.00	\$92,086.92	\$576,754.92	\$331,979.40	\$63,076.09	\$395,055.49	\$647,811.00	\$123,084.09	\$770,895.09	\$488,152.80	\$580,901.83				
1361	Calibración inyector	UND	1	\$1,970,514.00	\$374,397.66	\$2,344,911.66	\$956,701.08	\$181,773.21	\$1,138,474.29	\$1,409,388.00	\$267,783.72	\$1,677,171.72	\$1,445,534.36	\$1,720,185.89				
1362	Reconstruir carril inferior	UND	1	\$952,959.96	\$181,062.39	\$1,134,022.35	\$1,208,562.00	\$229,626.78	\$1,438,188.78	\$1,620,271.00	\$307,851.49	\$1,928,122.49	\$1,260,597.65	\$1,500,111.21				
1363	Cambio de empaquetadura cilindro rueda tensora (un solo lado)	UND	1	\$1,077,937.00	\$204,808.03	\$1,282,745.03	\$1,780,406.00	\$338,277.14	\$2,118,683.14	\$971,251.20	\$184,537.73	\$1,155,788.93	\$1,276,531.40	\$1,519,072.37				
1364	Desmontar joystick cabina (uno solo)	UND	1	\$1,003,947.48	\$190,750.02	\$1,194,697.50	\$1,075,778.00	\$204,397.82	\$1,280,175.82	\$2,048,032.00	\$389,126.08	\$2,437,158.08	\$1,375,919.16	\$1,637,343.80				
1365	Revision eléctrica, luces, plúmilas, pito y alarma de reversa	UND	1	\$1,313,922.00	\$249,645.18	\$1,563,567.18	\$1,160,097.00	\$220,418.43	\$1,380,515.43	\$852,782.40	\$162,028.66	\$1,014,811.06	\$1,108,933.80	\$1,319,631.22				
1366	Bajar selector de cambios para empaquetar y calibrar válvulas de presión	UND	1	\$5,240,031.00	\$995,605.89	\$6,235,636.89	\$7,800,956.00	\$1,482,181.64	\$9,283,137.64	\$3,723,240.60	\$707,415.71	\$4,430,656.31	\$5,588,075.87	\$6,649,810.28				
1367	Desmontar y montar brazo de arrastre topadora	UND	1	\$1,019,915.00	\$193,783.85	\$1,213,698.85	\$844,688.52	\$160,490.82	\$1,005,179.34	\$979,551.00	\$186,114.69	\$1,165,665.69	\$948,051.51	\$1,128,181.29				
1368	laboratorio	GLOBAL	1	\$6,893,373.00	\$1,309,740.87	\$8,203,113.87	\$5,046,239.00	\$958,785.41	\$6,005,024.41	\$3,458,795.76	\$657,171.19	\$4,115,966.95	\$5,132,802.59	\$6,108,035.08				
1369	Calibración bomba de inyeccion	UND	1	\$3,735,383.40	\$709,722.85	\$4,445,106.25	\$4,409,148.00	\$837,738.12	\$5,246,886.12	\$5,703,903.00	\$1,083,741.57	\$6,787,644.57	\$4,616,144.80	\$5,493,212.31				
1370	Desmontar y montar de las válvulas de presión y aceite principal	UND	1	\$1,253,200.68	\$238,108.13	\$1,491,308.81	\$2,420,941.00	\$459,978.79	\$2,880,919.79	\$1,282,652.00	\$243,703.88	\$1,526,355.88	\$1,652,264.56	\$1,966,194.83				
1371	Desmontar y montar bomba de inyeccion	UND	1	\$1,346,246.10	\$255,786.76	\$1,602,032.86	\$1,597,202.00	\$303,468.38	\$1,900,670.38	\$2,984,049.00	\$566,969.31	\$3,551,018.31	\$1,975,832.37	\$2,351,240.52				
1372	estado y laboratorio	GLOBAL	1	\$7,742,127.24	\$1,471,004.18	\$9,213,131.42	\$10,488,232.00	\$1,992,764.08	\$12,480,996.08	\$14,425,013.00	\$2,740,752.47	\$17,165,765.47	\$10,885,124.08	\$12,953,297.66				
1373	Revisión eléctrica harness, prueba de solenoides y sensores código de fallas	UND	1	\$1,068,779.00	\$203,068.01	\$1,271,847.01	\$1,947,944.00	\$370,109.36	\$2,318,053.36	\$909,984.24	\$172,897.01	\$1,082,881.25	\$1,308,902.41	\$1,557,593.87				
1374	reversa.	GLOBAL	1	\$804,530.52	\$152,860.80	\$957,391.32	\$1,447,421.00	\$275,009.99	\$1,722,430.99	\$818,679.00	\$974,228.01	\$1,555,549.01	\$1,023,543.51	\$1,218,016.77				
1375	Instalar silenciador	UND	1	\$1,823,756.00	\$346,513.64	\$2,170,269.64	\$1,010,969.00	\$192,084.11	\$1,203,053.11	\$794,242.44	\$150,906.06	\$945,148.50	\$1,209,655.81	\$1,439,490.42				
1376	Instalar hojas topadoras	UND	1	\$1,069,258.00	\$203,159.02	\$1,272,417.02	\$892,145.88	\$169,507.72	\$1,061,653.60	\$1,398,049.00	\$265,629.31	\$1,663,678.31	\$1,119,817.63	\$1,332,582.98				
1377	Despegar,ajustar y alinear torre carril de rodamiento	UND	1	\$816,216.48	\$155,081.13	\$971,297.61	\$966,393.00	\$183,614.67	\$1,150,007.67	\$1,446,403.00	\$274,816.57	\$1,721,219.57	\$1,076,337.49	\$1,280,841.62				
1378	Pulida y corte de cadena y carriles	UND	1	\$970,798.68	\$184,451.75	\$1,155,250.43	\$1,055,476.00	\$200,540.44	\$1,256,016.44	\$2,000,313.00	\$380,059.47	\$2,380,372.47	\$1,342,195.89	\$1,597,213.11				
1379																		

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS		VR. UNITARIO SIN IVA			IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA	
	DESCRIPCION															
1389	d/m multiple escape		UND	1	\$723,764.00	\$137,515.16	\$861,279.16	\$678,506.10	\$128,916.16	\$807,422.26	\$1,192,150.00	\$226,508.50	\$1,418,658.50	\$864,806.70	\$1,029,119.97	
1390	d/m culata completa ítem no contemplado		UND	1	\$12,387,449.00	\$2,353,615.31	\$14,741,064.31	\$6,969,061.00	\$1,324,121.59	\$8,293,182.59	\$4,895,873.70	\$930,216.00	\$5,826,089.70	\$8,084,127.90	\$9,620,112.20	
1391	pintura pieza grande		UND	1	\$879,706.08	\$167,144.16	\$1,046,850.24	\$1,319,343.00	\$250,675.17	\$1,570,018.17	\$925,391.00	\$175,824.29	\$1,101,215.29	\$1,041,480.03	\$1,239,361.23	
1392	REPARACION TURBO CARGADOR		UND	1	\$5,747,517.00	\$1,092,028.23	\$6,839,545.23	\$9,061,842.00	\$1,721,749.98	\$10,783,591.98	\$5,304,402.30	\$1,007,836.44	\$6,312,238.74	\$6,704,587.10	\$7,978,458.65	
1393	D/M TURBO CARGADOR		UND	1	\$1,657,884.00	\$314,997.96	\$1,972,881.96	\$1,083,348.00	\$205,836.12	\$1,289,184.12	\$840,685.20	\$159,730.19	\$1,000,415.39	\$1,193,972.40	\$1,420,827.16	
1394	Servicio de grua en camabaja incluido cabezote precio por kilometros		UND	1	\$53,528.04	\$10,170.33	\$63,698.37	\$71,258.00	\$13,539.02	\$84,797.02	\$76,848.00	\$14,601.12	\$91,449.12	\$67,211.35	\$79,981.50	
	VOLQUETAS CHEVROLET FTR 700															
	REPUESTOS															
	DESCRIPCION		UNIDAD	CANT												
1395	Filtro de succion de la bomba sistema hidraulico		UND	1	\$714,011.00	\$135,662.09	\$849,673.09	\$1,333,951.00	\$253,450.69	\$1,587,401.69	\$668,708.86	\$127,054.68	\$795,763.54	\$905,556.95	\$1,077,612.77	
1396	Filtro aire externo 52059228		UND	1	\$788,622.00	\$149,838.18	\$938,460.18	\$629,525.52	\$119,609.85	\$749,135.37	\$1,324,115.00	\$251,581.85	\$1,575,696.85	\$914,087.51	\$1,087,764.13	
1397	Filtro aire interno 52059229		UND	1	\$592,097.00	\$112,498.43	\$704,595.43	\$408,728.84	\$77,658.48	\$486,387.32	\$1,167,767.00	\$221,875.73	\$1,389,642.73	\$722,864.28	\$860,208.49	
1398	Filtro de aceite 156071740		UND	1	\$403,046.00	\$76,578.74	\$479,624.74	\$283,096.22	\$53,788.28	\$336,884.50	\$781,265.00	\$148,440.35	\$929,705.35	\$489,135.74	\$582,071.53	
1399	Filtro de combustible fpi 435		UND	1	\$554,328.00	\$105,322.32	\$659,650.32	\$899,242.00	\$170,855.98	\$1,070,097.98	\$516,972.78	\$98,224.83	\$615,197.61	\$656,847.59	\$781,648.64	
1400	Filtro de combustible separador		UND	1	\$621,278.10	\$118,042.84	\$739,320.94	\$834,963.00	\$158,642.97	\$993,605.97	\$1,388,301.00	\$263,777.19	\$1,652,078.19	\$948,180.70	\$1,128,335.03	
1401	Canastilla de escualizacion 7x43		UND	1	\$2,759,844.00	\$524,370.36	\$3,284,214.36	\$2,087,038.80	\$396,537.37	\$2,483,576.17	\$2,878,342.00	\$546,884.98	\$3,425,226.98	\$2,575,074.93	\$3,064,339.17	
1402	Kit de rodamientos 4426		JUEGO	1	\$1,495,486.00	\$284,142.34	\$1,779,628.34	\$1,171,142.64	\$222,517.10	\$1,393,659.74	\$1,887,932.00	\$358,707.08	\$2,246,639.08	\$1,518,186.88	\$1,806,642.39	
1403	Kit rodamientos canastilla		JUEGO	1	\$1,428,686.00	\$271,450.34	\$1,700,136.34	\$1,034,400.24	\$196,536.05	\$1,230,936.29	\$1,417,235.00	\$269,274.65	\$1,686,509.65	\$1,293,440.41	\$1,539,194.09	
1404	Tuerca speed 124468		UND	1	\$100,753.00	\$19,143.07	\$119,896.07	\$89,652.60	\$17,033.99	\$106,686.59	\$138,734.00	\$26,359.46	\$165,093.46	\$109,713.20	\$130,558.71	
1405	Retenedor speed		UND	1	\$404,175.24	\$76,793.30	\$480,968.54	\$625,375.00	\$118,821.25	\$744,196.25	\$558,909.00	\$106,192.71	\$665,101.71	\$529,486.41	\$630,088.83	
1406	Corona y speed 7x43		UND	1	\$9,790,360.92	\$1,860,168.57	\$11,650,529.49	\$12,582,372.00	\$2,390,650.68	\$14,973,022.68	\$10,408,843.00	\$1,977,680.17	\$12,386,523.17	\$10,927,191.97	\$13,003,358.45	
1407	Juego de terminales para FTR		JUEGO	1	\$1,732,302.00	\$329,137.38	\$2,061,439.38	\$2,331,719.00	\$443,026.61	\$2,774,745.61	\$2,627,676.00	\$499,258.44	\$3,126,934.44	\$2,230,565.67	\$2,654,373.14	
1408	Transmision completa para FTR		UND	1	\$15,146,393.40	\$2,877,814.75	\$18,024,208.15	\$20,507,976.00	\$3,896,515.44	\$24,404,491.44	\$17,745,121.00	\$3,371,572.99	\$21,116,693.99	\$17,799,830.13	\$21,181,797.86	
1409	Retenedor 430119		UND	1	\$270,947.52	\$51,480.03	\$322,427.55	\$411,616.00	\$78,207.04	\$489,823.04	\$382,656.00	\$72,704.64	\$455,360.64	\$355,073.17	\$422,537.08	
1410	Retenedor 430121		UND	1	\$604,976.00	\$114,945.44	\$719,921.44	\$273,097.44	\$51,888.51	\$324,985.95	\$387,933.00	\$73,707.27	\$461,640.27	\$422,002.15	\$502,182.55	
1411	Set rodamiento transmision todos		UND	1	\$3,986,622.00	\$757,458.18	\$4,744,080.18	\$5,182,658.00	\$984,705.02	\$6,167,363.02	\$2,869,556.40	\$545,215.72	\$3,414,772.12	\$4,012,945.47	\$4,775,405.11	
1412	Kit de escualizacion para FTR 42170153		JUEGO	1	\$8,306,034.00	\$1,578,146.46	\$9,884,180.46	\$5,740,877.00	\$1,090,766.63	\$6,831,643.63	\$5,060,758.32	\$961,544.08	\$6,022,302.40	\$6,369,223.11	\$7,579,375.50	
1413	32311 rodamiento con pista		UND	1	\$488,127.24	\$92,744.18	\$580,871.42	\$576,918.00	\$109,814.42	\$686,532.42	\$1,048,645.00	\$199,242.55	\$1,247,887.55	\$704,563.41	\$838,430.46	
1414	31310 rodamiento con pista		UND	1	\$618,080.00	\$117,435.20	\$735,515.20	\$1,058,108.00	\$201,040.52	\$1,259,148.52	\$566,834.40	\$107,698.54	\$674,532.94	\$747,674.13	\$889,732.22	
1415	32216 rodamiento con pista		UND	1	\$522,510.12	\$99,276.92	\$621,787.04	\$673,822.00	\$128,026.18	\$801,848.18	\$1,221,868.00	\$232,154.92	\$1,454,022.92	\$806,066.71	\$959,219.38	
1416	Cruceta portaescualizacion		UND	1	\$611,556.84	\$116,195.80	\$727,752.64	\$802,531.00	\$152,480.89	\$955,011.89	\$744,523.00	\$141,459.37	\$885,982.37	\$719,536.95	\$856,248.97	
1417	A6154 sincronizador		UND	1	\$940,573.44	\$178,708.95	\$1,119,282.39	\$2,305,433.00	\$438,032.27	\$2,743,465.27	\$1,996,023.00	\$227,244.37	\$2,223,267.37	\$1,480,676.48	\$1,762,005.01	
1418	A1637 sincronizador		UND	1	\$1,682,528.00	\$319,680.32	\$2,002,208.32	\$1,035,143.00	\$196,677.17	\$1,231,820.17	\$1,017,640.08	\$193,351.62	\$1,210,991.70	\$1,245,103.69	\$1,481,673.40	
1419	A6156 sincronizador		UND	1	\$615,144.60	\$116,877.47	\$732,022.07	\$1,565,936.00	\$297,527.84	\$1,863,463.84	\$847,683.00	\$161,059.77	\$1,008,742.77	\$1,009,587.87	\$1,201,409.56	
1420	Empaquetadura caja de velocidades		UND	1	\$1,274,507.00	\$242,156.33	\$1,516,663.33	\$908,474.04	\$172,610.00	\$1,081,084.11	\$1,474,371.00	\$280,130.49	\$1,754,501.49	\$1,219,117.35	\$1,450,749.64	
1421	8980174717 Cable control cambios		UND	1	\$1,077,478.92	\$204,720.99	\$1,282,199.91	\$1,606,469.00	\$305,229.11	\$1,911,698.11	\$2,338,298.00	\$444,276.62	\$2,782,574.62	\$1,674,081.97	\$1,992,157.55	
1422	Rodamiento internos rueda delantera		UND	1	\$1,501,825.00	\$285,346.75	\$1,787,171.75	\$984,334.00	\$187,023.46	\$1,171,357.46	\$762,748.20	\$144,922.16	\$907,670.36	\$1,082,969.07	\$1,288,733.19	
1423	Rodamiento externos rueda delantera		UND	1	\$1,642,192.00	\$312,016.48	\$1,954,208.48	\$685,910.10	\$130,322.82	\$816,233.02	\$851,916.00	\$161,864.04	\$1,013,780.04	\$1,060,006.03	\$1,261,407.18	
1424	Retenedor rueda delantera		UND	1	\$575,239.50	\$109,295.51	\$684,535.01	\$765,899.00	\$145,520.81	\$911,419.81	\$681,628.00	\$129,509.32	\$811,137.32	\$674,255.50	\$802,364.05	
1425	Rodamiento internos rueda trasera		UND	1	\$2,256,481.00	\$428,731.39	\$2,685,212.39	\$792,211.20	\$150,520.13	\$942,731.33	\$1,143,352.00	\$217,236.88	\$1,360,588.88	\$1,397,348.07	\$1,662,844.20	
1426	Rodamiento externos rueda trasera		UND	1	\$656,202.60	\$124,678.49	\$780,881.09	\$1,110,584.00	\$211,010.96	\$1,321,594.96	\$686,386.00	\$130,413.34	\$816,799.34	\$817,724.20	\$973,091.80	
1427	Retenedor rueda trasera		UND	1	\$558,953.00	\$106,201.07	\$665,154.07	\$537,238.20	\$102,075.26	\$639,313.46	\$643,379.00	\$122,242.01	\$765,621.01	\$579,856.73	\$690,029.51	
1428	Empaquetadura booster embrague		UND	1	\$805,700.52	\$153,083.10	\$958,783.62	\$1,039,329.00	\$197,472.51	\$1,236,801.51	\$1,484,924.00	\$282,135.56	\$1,767,059.56	\$1,109,984.51	\$1,320,881.56	
1429	Kit de embrague		JUEGO	1	\$5,605,488.00	\$1,065,042.72	\$6,670,530.72	\$5,059,229.10	\$961,253.53	\$6,020,482.63	\$9,765,550.00	\$1,855,454.00	\$11,621,004.50	\$6,810,089.03	\$8,104,005.95	
1430	Conjunto cilindro maestro embrague		UND	1	\$2,274,905.00	\$432,231.95	\$2,707,136.95	\$2,604,215.00	\$494,800.85	\$3,099,015.85	\$1,817,853.12	\$345,392.09	\$2,163,245.21	\$2,232,324.37	\$2,656,466.00	
1431	Disco embrague		UND	1	\$2,239,913.00	\$2,665,496.47	\$4,905,409.47	\$1,520,876.00	\$288,966.44	\$1,809,842.44	\$1,420,110.00	\$269,820.90	\$1,689,930.90	\$1,726,966.33	\$2,055,089.94	
1432	Rodamiento embrague		UND	1	\$1,046,799.00	\$198,891.81	\$1,245,690.81	\$556,542.00	\$105,742.98	\$662,284.98	\$731,711.00	\$139,025.09	\$870,736.09	\$778,350.67	\$926,237.29	
1433	Prensa embrague		UND	1	\$2,850,347.40	\$541,566.01	\$3,391,913.41	\$5,838,788,								

ITEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION														
1445	Hojas N° 3 delantera		UND	1	\$834.693.30	\$158.591.73	\$993.285.03	\$884.771.00	\$168.106.49	\$1.052.877.49	\$1.272.015.00	\$241.682.85	\$1.513.697.85	\$997.159.77	\$1.186.620.12
1446	Hoja N° 4 delantera		UND	1	\$1.014.150.60	\$192.688.61	\$1.206.839.21	\$2.369.656.00	\$450.234.64	\$2.819.890.64	\$1.185.957.00	\$225.331.83	\$1.411.288.83	\$1.523.254.53	\$1.812.672.89
1447	Tornillos centrales con tuerca		UND	1	\$48.319.00	\$9.180.61	\$57.499.61	\$54.557.00	\$10.365.83	\$64.922.83	\$47.858.70	\$9.093.15	\$56.951.85	\$50.244.90	\$59.791.43
1448	Sensor de temperatura refrigerante motor		UND	1	\$1.428.796.00	\$271.471.24	\$1.700.267.24	\$1.106.951.00	\$210.320.69	\$1.317.271.69	\$908.943.12	\$172.699.19	\$1.081.642.31	\$1.148.230.04	\$1.366.393.75
1449	Sensor de velocidad caja de cambios		UND	1	\$904.451.00	\$171.845.69	\$1.076.296.69	\$1.613.303.00	\$306.527.57	\$1.919.830.57	\$845.511.12	\$160.647.11	\$1.006.158.23	\$1.121.088.37	\$1.334.095.16
1450	Interruptor pedal de freno		UND	1	\$623.262.60	\$118.419.89	\$741.682.49	\$723.427.00	\$137.451.13	\$860.878.13	\$870.993.00	\$165.488.67	\$1.036.481.67	\$739.227.53	\$879.680.76
1451	Interruptor Neutro		UND	1	\$233.892.00	\$44.439.48	\$278.331.48	\$193.342.00	\$36.734.98	\$230.076.98	\$173.346.48	\$32.935.83	\$206.282.31	\$200.193.49	\$238.230.26
1452	Interruptor presion tanque aire 8976092490		UND	1	\$495.934.00	\$94.227.46	\$590.161.46	\$398.573.28	\$75.728.92	\$474.302.20	\$458.402.00	\$87.096.38	\$545.498.38	\$450.969.76	\$536.654.01
1453	Sensor filtro aire 980653770		UND	1	\$297.872.28	\$56.595.73	\$354.468.01	\$446.358.00	\$84.808.02	\$531.166.02	\$862.338.00	\$163.844.22	\$1.026.182.22	\$535.522.76	\$637.272.08
1454	Bujes soporte de cabina delantero		UND	1	\$415.679.40	\$78.979.09	\$494.658.49	\$544.335.00	\$103.423.65	\$647.758.65	\$684.057.00	\$129.970.83	\$814.027.83	\$548.023.80	\$652.148.32
1455	Soporte trasero de caucho cabina		UND	1	\$1.454.108.00	\$276.280.52	\$1.730.388.52	\$1.054.748.00	\$200.402.12	\$1.255.150.12	\$872.469.72	\$1.038.238.97	\$1.127.108.57	\$1.341.259.20	\$1.602.690.38
1456	Soporte de caucho ballesta delantera		UND	1	\$960.644.00	\$182.522.36	\$1.143.166.36	\$1.778.954.00	\$337.982.26	\$2.116.936.26	\$813.593.52	\$154.582.77	\$968.176.29	\$1.184.363.84	\$1.409.392.97
1457	Soporte central cardan		UND	1	\$1.152.206.64	\$218.919.26	\$1.371.125.90	\$2.137.678.00	\$406.158.82	\$2.543.836.82	\$1.434.846.00	\$272.620.74	\$1.707.466.74	\$1.574.910.21	\$1.874.143.15
1458	Soporte de motor delantero		UND	1	\$1.464.820.00	\$278.315.80	\$1.743.135.80	\$2.840.013.00	\$539.602.47	\$3.379.615.47	\$977.658.48	\$185.755.11	\$1.163.413.59	\$1.760.830.49	\$2.095.388.29
1459	Soporte de motor trasero		UND	1	\$1.682.304.00	\$319.637.76	\$2.001.941.76	\$693.149.04	\$131.698.32	\$824.847.36	\$985.411.00	\$187.228.09	\$1.172.639.09	\$1.120.288.01	\$1.333.142.74
1460	Soporte cabina		UND	1	\$1.394.409.00	\$264.937.71	\$1.659.346.71	\$1.693.203.00	\$321.708.57	\$2.014.911.57	\$952.783.92	\$181.028.94	\$1.133.812.86	\$1.346.798.64	\$1.602.690.38
1461	Válvulas levante del volco		UND	1	\$2.976.548.00	\$565.544.12	\$3.542.092.12	\$3.161.274.00	\$600.642.06	\$3.761.916.06	\$2.067.990.84	\$392.918.26	\$2.460.909.10	\$2.735.270.95	\$3.254.972.43
1462	Empaquetadura cilindro levante volco		UND	1	\$3.147.484.68	\$598.022.09	\$3.745.506.77	\$6.882.292.00	\$1.307.635.48	\$8.189.927.48	\$4.139.861.00	\$786.573.59	\$4.926.434.59	\$4.723.212.56	\$5.620.622.95
1463	Switch de encendido		UND	1	\$1.030.199.00	\$195.737.81	\$1.225.936.81	\$1.807.471.00	\$343.419.49	\$2.150.890.49	\$692.408.16	\$182.857.55	\$1.145.265.71	\$1.266.692.72	\$1.507.364.34
1464	Kit de sellos y empaques caja de direccion		JUEGO	1	\$3.551.177.00	\$674.723.63	\$4.225.900.63	\$1.502.160.00	\$285.410.40	\$1.787.570.40	\$2.025.635.00	\$384.870.65	\$2.410.505.65	\$2.359.657.33	\$2.807.992.23
1465	Bujes barra estabilizadora		UND	1	\$148.905.72	\$28.292.09	\$177.197.81	\$369.245.00	\$70.156.55	\$439.401.55	\$123.067.00	\$40.482.73	\$253.549.73	\$243.739.24	\$290.049.70
1466	Portamangueta (cacho)		UND	1	\$6.609.698.00	\$1.255.842.62	\$7.865.540.62	\$4.343.128.00	\$825.194.32	\$5.168.322.32	\$3.385.397.16	\$643.225.46	\$4.028.622.62	\$4.779.407.72	\$5.687.495.19
1467	cruceta cardan		UND	1	\$1.798.305.00	\$341.677.95	\$2.139.982.95	\$776.619.36	\$147.557.68	\$924.177.04	\$1.064.691.00	\$202.291.29	\$1.266.982.29	\$1.213.205.12	\$1.443.714.09
1468	Rodamiento central cardan		UND	1	\$710.871.48	\$135.065.58	\$845.937.06	\$951.021.00	\$180.693.99	\$1.131.714.99	\$908.122.00	\$172.543.18	\$1.080.665.18	\$856.671.49	\$1.019.439.08
1469	Emaque tapa valvulas motor		UND	1	\$713.423.16	\$135.550.40	\$848.973.56	\$946.504.00	\$179.835.76	\$1.126.339.76	\$1.465.018.00	\$278.353.42	\$1.743.371.42	\$1.041.648.39	\$1.239.561.58
1470	Juego de chupas cilindro rueda trasera		JUEGO	1	\$135.730.00	\$25.788.70	\$161.518.70	\$102.013.56	\$19.382.58	\$121.396.14	\$228.748.00	\$43.462.12	\$272.210.12	\$155.497.19	\$185.041.65
1471	Motor de arranque		UND	1	\$5.784.114.00	\$1.098.981.66	\$6.883.095.66	\$3.912.389.70	\$743.354.04	\$4.655.743.74	\$5.925.764.00	\$1.125.895.16	\$7.051.659.16	\$5.207.422.57	\$6.196.832.85
1472	Alternador		UND	1	\$2.849.391.90	\$541.384.46	\$3.390.776.36	\$5.151.866.00	\$978.854.54	\$6.130.720.54	\$3.767.226.00	\$715.772.94	\$4.482.998.94	\$3.922.827.97	\$4.668.165.28
1473	Kit de reparacion bomba de agua		JUEGO	1	\$983.832.00	\$186.928.08	\$1.170.760.08	\$1.388.502.00	\$263.815.38	\$1.652.317.38	\$2.743.344.00	\$521.235.36	\$3.264.579.36	\$1.705.226.00	\$2.029.218.94
1474	Turbo		UND	1	\$18.445.450.00	\$3.504.635.50	\$21.950.085.50	\$13.852.889.00	\$2.632.048.91	\$16.484.937.91	\$11.328.120.00	\$2.152.342.80	\$13.480.462.80	\$14.542.153.00	\$17.305.162.07
1475	Empaque turbo		UND	1	\$3.501.132.00	\$665.215.08	\$4.166.347.08	\$4.275.034.00	\$812.256.46	\$5.087.290.46	\$3.384.205.56	\$642.999.06	\$4.027.204.62	\$3.720.123.85	\$4.426.947.39
1476	Manguera superior radiador		UND	1	\$684.111.00	\$129.981.09	\$814.092.09	\$860.591.00	\$163.512.29	\$1.024.103.29	\$797.104.00	\$151.449.76	\$948.553.76	\$780.602.00	\$928.916.38
1477	Fanclush		UND	1	\$2.674.002.24	\$508.060.43	\$3.182.062.67	\$3.565.057.00	\$677.360.83	\$4.242.417.83	\$5.655.434.00	\$1.074.532.46	\$6.729.966.46	\$3.964.831.08	\$4.718.148.99
1478	Ventilador		UND	1	\$1.292.413.00	\$245.558.47	\$1.537.971.47	\$2.122.858.00	\$403.343.02	\$2.526.201.02	\$1.036.935.00	\$197.017.65	\$1.233.952.65	\$1.484.068.67	\$1.766.041.71
1479	Manguera inferior radiador		UND	1	\$1.329.114.00	\$252.531.66	\$1.581.645.66	\$868.675.00	\$165.048.25	\$1.033.723.25	\$623.067.30	\$118.382.79	\$741.450.09	\$940.285.43	\$1.118.939.67
1480	Manguera succion aire turbo		UND	1	\$718.103.10	\$136.439.59	\$854.542.69	\$1.573.576.00	\$298.979.44	\$1.872.555.44	\$930.810.00	\$176.853.90	\$1.107.663.90	\$1.074.163.03	\$1.278.254.01
1481	Kit empaques compresor de aire		JUEGO	1	\$1.512.383.00	\$287.352.77	\$1.799.735.77	\$1.810.655.00	\$344.024.45	\$2.154.679.45	\$1.347.275.40	\$255.982.33	\$1.603.257.73	\$1.556.771.13	\$1.852.557.65
1482	Kit de reparacion inyector motor		JUEGO	1	\$1.554.071.00	\$295.273.49	\$1.849.344.49	\$1.869.212.00	\$355.150.28	\$2.224.362.28	\$1.490.845.50	\$283.260.65	\$1.774.106.15	\$1.638.042.83	\$1.949.270.97
1483	Inyector motor		UND	1	\$7.587.314.00	\$1.441.589.66	\$9.028.903.66	\$4.458.958.20	\$847.202.06	\$5.306.160.26	\$5.452.783.00	\$1.036.028.77	\$6.488.811.77	\$5.833.018.40	\$6.941.291.90
1484	Medidor de nivel de combustible		UND	1	\$967.767.00	\$183.875.73	\$1.151.642.73	\$937.418.76	\$178.109.56	\$1.115.528.32	\$1.806.077.00	\$343.154.63	\$2.149.231.63	\$1.237.087.59	\$1.472.134.23
1485	Empaquetadura Cilindro maestro embague		UND	1	\$3.360.662.00	\$638.525.78	\$3.999.187.78	\$1.631.059.92	\$309.901.38	\$1.940.961.30	\$1.762.557.00	\$334.885.83	\$2.097.442.83	\$2.251.426.31	\$2.679.197.30
1486	Termostato		UND	1	\$460.739.52	\$87.540.51	\$548.280.03	\$584.567.00	\$111.067.73	\$695.634.73	\$607.197.00	\$115.367.43	\$722.564.43	\$550.834.51	\$655.493.06
1487	Correa ventilador		UND	1	\$367.566.00	\$69.837.54	\$437.403.54	\$320.493.60	\$60.893.78	\$381.387.38	\$437.082.00	\$83.405.58	\$520.127.58	\$375.047.20	\$446.306.17
1488	Tensor correa alternador		UND	1	\$2.696.060.00	\$512.251.40	\$3.208.311.40	\$1.745.975.00	\$331.735.25	\$2.077.710.25	\$1.292.193.36	\$245.516.74	\$1.537.710.10	\$1.911.409.45	\$2.274.577.25
1489	Empaquetadura control hidraulico		UND	1	\$2.292.863.40	\$435.644.05	\$2.728.507.45	\$4.348.427.00	\$826.201.13	\$5.174.628.13	\$2.342.681.00	\$445.109.39	\$2.787.790.39	\$2.994.657.13	\$3.563.641.99
1490	Baterías 31H 1200		UND	1	\$4.035.822.00	\$766.806.18	\$4.802.628.18	\$2.127.086.00	\$404.146.34	\$2.531.232.34	\$1.650.490.00	\$313.593.10	\$1.964.083.10	\$2.604.466.00	\$3.099.314.54
1491	Llantas traseras 295/80R22.5 (16 lonas)		UND	1	\$6.380.990.00	\$1.212.388.10	\$7.593.378.10	\$7.806.523.00	\$1.483.239.37	\$9.289.762.37	\$13.430.291.00	\$2.551.755.29	\$15.982.046.29	\$9.205.934.67	\$10.955.062.25
1492	Llantas delanteras 295/80R22.5 (16 lonas)		UND	1	\$12.220.580.00	\$2.321.910.20	\$14.542.490.20	\$6.180.990.00	\$1.174.388.00	\$7.355.378.00	\$8.732.377.00	\$1.659.151.63	\$10.391.528.63	\$9.044.649.00	\$10.763.132.31
1493	Juego de plumillas		JUEGO	1	\$390.049.00	\$74.109.31	\$464.158.31	\$564.793.00	\$107.310.87	\$672.103.87	\$377.953.92	\$71.811.24	\$449.765.16	\$444.265.31	\$528

ITEM	MOTONIVELADORA CATERPILLAR 120 K				UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO		
	REPUESTOS						VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA	
	DESCRIPCION																	
1504	Espejo completo				UND	1	\$615,921.48	\$117,025.08	\$732,946.56	\$763,760.00	\$145,114.40	\$908,874.40	\$1,297,463.00	\$246,517.97	\$1,543,980.97	\$892,381.49	\$1,061,933.98	
1505	Empaques toma fuerza				UND	1	\$2,810,050.00	\$533,909.50	\$3,343,959.50	\$2,089,265.00	\$396,960.35	\$2,486,225.35	\$2,039,573.16	\$387,518.90	\$2,427,092.06	\$2,312,962.72	\$2,752,425.64	
1506	Rodillo piloto				UND	1	\$741,273.00	\$140,841.87	\$882,114.87	\$689,754.24	\$131,053.31	\$820,807.55	\$1,070,157.00	\$1,273,486.83	\$892,136.42	\$833,728.08	\$992,136.42	
1507	Base lampara puerta izquierda				UND	1	\$169,153.00	\$32,139.07	\$201,292.07	\$122,078.00	\$23,194.82	\$145,272.82	\$117,034.20	\$22,236.50	\$139,270.70	\$136,088.40	\$161,945.20	
1508	Guardafango trasero izquierdo				UND	1	\$4,968,734.04	\$944,059.47	\$5,912,793.51	\$6,073,275.00	\$1,153,922.25	\$7,227,197.25	\$6,002,778.00	\$1,140,527.82	\$7,143,305.82	\$5,681,595.68	\$6,761,098.86	
1509	bomba de aice				UND	1	\$31,697,454.00	\$6,022,516.26	\$37,719,970.26	\$15,910,255.00	\$3,022,948.45	\$18,933,203.45	\$14,137,968.60	\$2,686,214.03	\$16,824,182.63	\$20,581,892.53	\$24,492,452.11	
1510	Switch codillo				UND	1	\$231,355.00	\$43,957.45	\$275,312.45	\$121,971.60	\$23,174.60	\$145,146.20	\$166,837.00	\$31,699.03	\$198,536.03	\$173,387.87	\$206,331.56	
1511	pasador buje muelle				UND	1	\$693,171.00	\$131,702.49	\$824,873.49	\$1,003,198.00	\$190,607.62	\$1,193,805.62	\$463,392.60	\$88,044.59	\$551,437.19	\$719,920.53	\$856,705.43	
1512	pera de reverso				UND	1	\$1,188,257.04	\$225,768.84	\$1,414,025.88	\$1,354,791.00	\$257,410.29	\$1,612,201.29	\$1,571,216.00	\$298,531.04	\$1,869,747.04	\$1,371,421.35	\$1,631,991.40	
1513	Empaque bomba de aice				UND	1	\$3,824,511.00	\$726,657.09	\$4,551,168.09	\$3,961,865.00	\$752,754.35	\$4,714,619.35	\$2,710,931.40	\$515,076.97	\$3,226,008.37	\$3,499,102.47	\$4,163,931.94	
MANO DE OBRA																		
DESCRIPCION							UNIDAD	CANT										
1514	Revision de mantenimiento preventivo 5.000km				UND	1	\$774,478.80	\$147,150.97	\$921,629.77	\$952,079.00	\$180,895.01	\$1,132,974.01	\$858,795.00	\$163,171.05	\$1,021,966.05	\$861,784.27	\$1,025,523.28	
1515	sistema hidraulico alce volco Trimestral + semestral				UND	1	\$947,455.92	\$180,016.62	\$1,127,472.54	\$1,117,067.00	\$212,242.73	\$1,329,309.73	\$1,334,897.00	\$253,630.43	\$1,588,527.43	\$1,133,139.97	\$1,348,436.57	
1516	Revision de mantenimiento preventivo 15.000km				UND	1	\$1,327,161.00	\$252,160.59	\$1,579,321.59	\$922,462.92	\$175,267.95	\$1,097,730.87	\$2,223,351.00	\$422,436.69	\$2,645,787.69	\$1,490,991.64	\$1,774,280.05	
1517	sistema hidraulico alce volco semestral+anual				UND	1	\$1,078,494.00	\$204,913.86	\$1,283,407.86	\$978,537.96	\$185,922.21	\$1,164,460.17	\$1,022,650.00	\$194,303.50	\$1,216,953.50	\$1,026,560.65	\$1,221,607.18	
1518	Desmontar y montar diferencial trasero				UND	1	\$4,227,272.00	\$803,181.68	\$5,030,453.68	\$7,395,348.00	\$1,405,116.12	\$8,800,464.12	\$2,938,509.90	\$558,316.88	\$9,358,826.78	\$4,853,709.97	\$5,775,914.86	
1519	partes afectadas y ajuste				GLOBAL	1	\$4,020,283.50	\$763,853.87	\$4,784,137.37	\$4,547,948.00	\$864,110.12	\$5,412,058.12	\$7,040,730.00	\$1,337,738.70	\$8,378,468.70	\$5,202,987.17	\$6,191,554.73	
1520	estado (un solo lado)				UND	1	\$898,182.00	\$170,654.58	\$1,068,836.58	\$643,380.48	\$122,242.29	\$765,622.77	\$1,232,992.00	\$234,268.48	\$1,467,260.48	\$924,851.49	\$1,100,573.28	
1521	Bajar muelle trasero, despiece del mismo para cambio de hojas en mal estado				UND	1	\$1,838,283.00	\$349,273.77	\$2,187,556.77	\$2,054,177.00	\$390,293.63	\$2,444,470.63	\$1,386,910.44	\$263,512.98	\$1,650,423.42	\$1,759,790.15	\$2,094,150.27	
1522	Desmontar y montar caja de direccion para cambio de empaques				UND	1	\$3,488,811.00	\$662,874.09	\$4,151,685.09	\$2,266,675.00	\$430,668.25	\$2,697,343.25	\$1,629,172.80	\$309,542.83	\$1,938,715.63	\$2,461,552.93	\$2,929,247.99	
1523	Desmontar y montar volante motor				UND	1	\$1,918,309.68	\$364,478.84	\$2,282,788.52	\$2,630,821.00	\$499,855.99	\$3,130,676.99	\$4,504,043.00	\$855,768.17	\$5,359,811.17	\$3,017,724.56	\$3,591,092.23	
1524	Desmontar y montar caja de velocidades				UND	1	\$1,941,768.36	\$368,935.99	\$2,310,704.35	\$3,047,296.00	\$578,986.24	\$3,626,282.24	\$2,884,464.00	\$548,048.16	\$3,432,512.16	\$2,624,509.45	\$3,123,166.25	
1525	Desmontar y montar caja para cambio de kit de embrague				UND	1	\$2,909,255.00	\$552,758.45	\$3,462,013.45	\$1,750,059.60	\$332,511.32	\$2,082,570.92	\$2,280,100.00	\$433,219.00	\$2,713,319.00	\$2,313,138.20	\$2,752,634.46	
1526	Cambio de soporte motor (uno solo)				UND	1	\$918,344.00	\$174,485.36	\$1,092,829.36	\$1,743,301.00	\$331,227.19	\$2,074,528.19	\$663,851.88	\$126,131.86	\$789,983.74	\$1,108,498.96	\$1,319,113.76	
1527	Desmontar y montar fanclush motor				UND	1	\$1,611,368.00	\$306,159.92	\$1,917,527.92	\$764,732.88	\$145,299.25	\$910,032.13	\$834,441.00	\$158,543.79	\$992,984.79	\$1,070,180.63	\$1,273,514.95	
1528	Desmontar y montar inyector motor				UND	1	\$412,684.20	\$78,410.00	\$491,094.20	\$466,910.00	\$88,712.90	\$555,622.90	\$649,910.00	\$123,482.90	\$773,392.90	\$509,834.73	\$606,703.33	
1529	Desmontar y montar mangueras radiador				UND	1	\$425,261.16	\$80,799.62	\$506,060.78	\$797,351.00	\$151,496.89	\$948,847.89	\$500,258.00	\$95,049.02	\$595,307.02	\$574,290.05	\$683,405.16	
1530	Desmontar y montar correa ventilador motor				UND	1	\$603,851.00	\$114,731.69	\$718,582.69	\$350,687.88	\$66,630.70	\$417,318.58	\$495,906.00	\$94,222.14	\$590,128.14	\$483,481.63	\$575,343.14	
1531	Desmontar y montar sensor de velocidad caja de cambios				UND	1	\$623,897.00	\$118,540.43	\$742,437.43	\$1,227,699.00	\$233,262.81	\$1,460,961.81	\$505,969.20	\$96,134.15	\$602,103.35	\$785,855.07	\$935,167.53	
1532	Desmontar y montar fanclush y ventilador				UND	1	\$1,343,456.00	\$255,256.64	\$1,598,712.64	\$938,385.00	\$178,293.15	\$1,116,678.15	\$1,781,035.84	\$148,396.81	\$929,432.65	\$1,020,958.95	\$1,214,941.15	
1533	Cambio de tope de cacucho superior ballesta delantera (un solo lado)				UND	1	\$514,896.00	\$97,830.24	\$612,726.24	\$785,986.00	\$149,337.34	\$935,323.34	\$482,958.72	\$91,762.16	\$574,720.88	\$594,613.57	\$707,590.15	
1534	empaquetadura				UND	1	\$947,733.12	\$180,069.29	\$1,127,802.41	\$1,129,464.00	\$214,598.16	\$1,344,062.16	\$1,749,539.00	\$332,412.41	\$2,081,951.41	\$1,275,578.71	\$1,517,938.66	
1535	sellos y retendores				UND	1	\$862,745.00	\$163,921.55	\$1,026,666.55	\$628,289.00	\$119,374.91	\$747,663.91	\$459,587.52	\$87,321.63	\$546,909.15	\$650,207.17	\$773,746.54	
1536	retenedor y sellos				UND	1	\$1,085,498.00	\$206,244.62	\$1,291,742.62	\$655,100.28	\$124,469.05	\$779,569.33	\$949,207.00	\$180,349.33	\$1,129,556.33	\$896,601.76	\$1,066,956.09	
1537	Desmontar y montar tornillo centrales muelles delantero (un lado)				UND	1	\$356,235.00	\$67,684.65	\$423,919.65	\$654,964.00	\$124,443.16	\$779,407.16	\$262,879.56	\$49,947.12	\$312,826.68	\$424,692.85	\$505,384.50	
1538	Desmontar y montar tornillo centrales muelles trasero (un lado)				UND	1	\$853,758.00	\$162,214.02	\$1,015,972.02	\$563,188.32	\$107,005.78	\$670,194.10	\$702,418.00	\$133,459.42	\$835,877.42	\$706,454.77	\$840,681.18	
1539	Desmontar y montar baterias				UND	1	\$76,433.00	\$14,522.27	\$90,955.27	\$51,383.16	\$9,762.80	\$61,145.96	\$152,510.00	\$28,976.90	\$181,486.90	\$93,442.05	\$111,196.04	
1540	Desmontar y montar portamangueta (un lado)				UND	1	\$246,227.76	\$46,783.27	\$293,011.03	\$319,152.00	\$60,638.88	\$379,790.88	\$258,283.00	\$49,073.77	\$307,356.77	\$274,554.25	\$326,719.56	
1541	Desmontar y montar tensor correa				UND	1	\$949,166.00	\$180,341.54	\$1,129,507.54	\$616,606.00	\$117,155.14	\$733,761.14	\$512,948.16	\$97,460.15	\$610,408.31	\$692,906.72	\$824,559.00	
1542	Desmontar y montar barra estabilizadora				UND	1	\$1,664,617.00	\$316,277.23	\$1,980,894.23	\$1,334,332.00	\$253,523.08	\$1,587,855.08	\$968,054.76	\$183,930.40	\$1,151,985.16	\$1,322,334.59	\$1,573,578.16	
1543	Cambio de bujes hoja principal delantera				UND	1	\$1,435,379.00	\$272,722.01	\$1,708,101.01	\$593,356.32	\$112,737.70	\$706,094.02	\$178,198.00	\$136,457.62	\$854,655.62	\$915,644.44	\$1,089,616.88	
1544	Cambio de bujes hoja principal trasera				UND	1	\$603,930.24	\$114,746.75	\$718,676.99	\$858,324.00	\$163,081.56	\$1,021,405.56	\$1,394,875.00	\$265,026.25	\$1,659,901.25	\$952,376.41	\$1,133,327.93	
1545	Desmontar y montar king pin una sola rueda				UND	1	\$436,101.84	\$82,859.35	\$518,961.19	\$612,521.00	\$116,378.99	\$728,899.99	\$512,885.00	\$97,448.15	\$610,333.15	\$520,502.61	\$619,398.11	
1546	Cambio de cruceta cardan				UND	1	\$480,549.24	\$91,304.36	\$571,853.60	\$596,149.00	\$113,268.31	\$709,417.31	\$617,474.00	\$117,320.06	\$734,794.06	\$564,724.08	\$672,021.66	
1547	Cambio de soporte central y rodamiento cardan				UND	1	\$1,164,589.00	\$221,271.91	\$1,385,860.91	\$616,097.00	\$117,058.43	\$733,155.43	\$443,803.68	\$84,322.70	\$528,126.38	\$741,496.56	\$882,380.91	
1548	Desmontar y montar cilindro de frenos delantero para cambio de sellos				UND	1	\$842,740.00	\$160,120.60	\$1,002,860.60	\$482,435.64	\$91,662.77	\$574,098.41	\$112,645.49	\$705,516.49	\$639,348.88	\$760,825.17	\$893,652.61	
1549	Desmontar y montar cilindro de frenos trasero para cambio de sellos				UND	1	\$645,611.00	\$122,666.09	\$768,277.09	\$514,380.96	\$97,732.38	\$612,113.34	\$871,498.00	\$165,584.62	\$1,037,082.62	\$677,163.32	\$805,824.35	
1550	Desmontar y montar cilindro delantero para cambio de sellos				UND	1	\$1,098,759.00	\$208,764.21	\$1,307,523.21	\$750,735.00	\$142,639.85	\$893,374.85	\$560,255.40	\$106,448.53	\$666,703.93	\$803,249.80	\$955,667.26	
1551	Cambio de empaque tapa valvulas				UND	1	\$640,160.28	\$121,630.45	\$761,790.73	\$789,632.00	\$150,030.08	\$939,662.08	\$1,075,140.00	\$204,276.60	\$1,279,416.60	\$834,977.43	\$993,623.14	
1552	Desmontar y montar bomba de agua para reparacion				UND	1	\$946,405.00	\$179,816.95	\$1,126,221.95	\$784,372.32	\$149,030.74	\$933,403.06	\$1,175,556.00	\$223,355.64	\$1,398,911.64	\$		

ITEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION														
1561	Desmontar y montar bomba de frenos para cambio de sellos y empaques		UND	1	\$612,574.00	\$116,389.06	\$728,963.06	\$516,719.16	\$98,176.64	\$614,895.80	\$772,311.00	\$146,739.09	\$919,050.09	\$633,868.05	\$754,302.98
1562	Lavada y engrasada		UND	1	\$1,757,441.00	\$333,913.79	\$2,091,354.79	\$2,353,027.00	\$447,075.13	\$2,800,102.13	\$1,174,603.68	\$223,174.70	\$1,397,778.38	\$1,761,690.56	\$2,096,411.77
1563	Despachadas llantas		UND	1	\$335,605.00	\$63,764.95	\$399,369.95	\$250,420.00	\$47,579.80	\$297,999.80	\$353,429.00	\$67,151.51	\$420,580.51	\$313,151.33	\$372,650.09
1564	Bota para llanta		UND	1	\$741,262.00	\$140,839.78	\$882,101.78	\$488,888.00	\$92,888.72	\$581,776.72	\$426,590.70	\$81,052.23	\$507,642.93	\$552,246.90	\$657,173.81
1565	Montaje de llantas delanteras		UND	1	\$614,373.00	\$116,730.87	\$731,103.87	\$347,708.00	\$66,064.52	\$413,772.52	\$238,150.00	\$45,248.50	\$283,398.50	\$400,077.00	\$476,091.63
1566	Cambio de aceite y filtros motor		UND	1	\$1,123,221.00	\$213,411.99	\$1,336,632.99	\$882,417.30	\$167,659.29	\$1,050,076.59	\$1,826,010.00	\$346,941.90	\$2,172,951.90	\$1,277,216.10	\$1,519,887.16
1567	general		GLOBAL	1	\$658,644.00	\$125,142.36	\$783,786.36	\$448,533.60	\$85,221.38	\$533,754.98	\$1,261,803.00	\$239,742.57	\$1,501,545.57	\$789,660.20	\$939,695.64
1568	Desmontar y montar alternador para mantenimiento y reparacion general		GLOBAL	1	\$432,513.60	\$82,177.58	\$514,691.18	\$1,142,494.00	\$217,073.86	\$1,359,567.86	\$618,062.00	\$117,431.78	\$735,493.78	\$731,023.20	\$869,917.61
1569	Cambio poste de bateria		UND	1	\$150,238.00	\$28,545.22	\$178,783.22	\$230,077.00	\$43,714.63	\$273,791.63	\$100,163.16	\$19,031.00	\$119,194.16	\$160,159.39	\$190,589.67
1570	Servicio de scanner		UND	1	\$920,923.00	\$174,975.37	\$1,095,898.37	\$531,802.50	\$101,042.48	\$632,844.98	\$637,871.00	\$121,195.49	\$759,066.49	\$696,865.50	\$829,269.95
1571	desmontar tanque de combustible para limpieza y lavado		UND	1	\$1,308,323.00	\$248,581.37	\$1,556,904.37	\$990,162.72	\$188,130.92	\$1,178,293.64	\$1,974,967.00	\$375,243.73	\$2,350,210.73	\$1,424,484.24	\$1,695,136.25
1572	Bajada balancin muelles		UND	1	\$656,499.96	\$124,734.99	\$781,234.95	\$720,775.00	\$136,947.25	\$857,722.25	\$862,633.00	\$163,900.27	\$1,026,533.27	\$746,635.99	\$888,496.82
1573	Cambio bujes muelles		UND	1	\$820,068.00	\$155,812.92	\$975,880.92	\$629,063.28	\$119,522.02	\$748,585.30	\$1,217,657.00	\$231,354.83	\$1,449,011.83	\$888,929.43	\$1,057,826.02
1574	Cambio amortiguadores (un solo lado)		UND	1	\$1,146,033.00	\$217,746.27	\$1,363,779.27	\$784,515.00	\$149,057.85	\$933,572.85	\$657,524.52	\$124,929.66	\$782,454.18	\$862,690.84	\$1,026,602.10
1575	Instalación pera de reversa		UND	1	\$101,761.20	\$19,334.63	\$121,095.83	\$201,817.00	\$38,345.23	\$240,162.23	\$134,058.00	\$25,471.02	\$159,529.02	\$145,878.73	\$173,595.69
1576	Rectificar volante		UND	1	\$579,161.52	\$110,040.69	\$689,202.21	\$810,065.00	\$153,912.35	\$963,977.35	\$917,623.00	\$174,348.37	\$1,091,971.37	\$768,949.84	\$915,050.31
1577	Cambio cremallera volante		UND	1	\$2,018,902.00	\$383,591.38	\$2,402,493.38	\$1,443,229.20	\$274,213.55	\$1,717,442.75	\$2,640,081.00	\$501,615.39	\$3,141,696.39	\$2,034,070.73	\$2,420,544.17
1578	Reparacion de rin		UND	1	\$1,451,427.00	\$275,771.13	\$1,727,198.13	\$1,076,411.16	\$204,518.12	\$1,280,929.28	\$1,778,576.00	\$337,929.44	\$2,116,505.44	\$1,435,471.39	\$1,708,210.95
1579	y ajustes		GLOBAL	1	\$9,063,707.00	\$1,722,104.33	\$10,785,811.33	\$6,201,696.60	\$1,178,322.35	\$7,380,018.95	\$6,871,641.00	\$1,305,611.79	\$8,177,252.79	\$7,379,014.87	\$8,781,027.69
1580	Desmontar y montar guaya control de cambios		UND	1	\$742,052.16	\$140,989.91	\$883,042.07	\$826,026.00	\$156,944.94	\$982,970.94	\$867,149.00	\$164,758.31	\$1,031,907.31	\$811,742.39	\$965,973.44
1581	Cambio de terminal dirección (un lado)		UND	1	\$700,713.00	\$133,135.47	\$833,848.47	\$1,244,597.00	\$236,473.43	\$1,481,070.43	\$177,359.00	\$136,298.21	\$853,657.21	\$887,556.33	\$1,056,192.04
1582	Revision y mantenimiento gobernador		UND	1	\$1,286,399.00	\$244,415.81	\$1,530,814.81	\$954,031.68	\$181,266.02	\$1,135,297.70	\$1,065,707.00	\$202,484.33	\$1,268,191.33	\$1,102,045.89	\$1,311,434.61
1583	Empaquetar Booster		UND	1	\$2,272,029.00	\$431,685.51	\$2,703,714.51	\$1,252,775.00	\$238,027.25	\$1,490,802.25	\$1,097,528.76	\$208,530.46	\$1,306,059.22	\$1,540,777.59	\$1,833,525.33
1584	Alineacion		UND	1	\$220,632.84	\$41,920.24	\$262,553.08	\$517,136.00	\$98,255.84	\$615,391.84	\$321,518.00	\$61,088.42	\$382,606.42	\$353,095.61	\$420,183.78
1585	Desmorte y reparacion valvula de alce del volco		UND	1	\$1,381,621.00	\$262,507.99	\$1,644,128.99	\$1,036,187.00	\$196,875.53	\$1,233,062.53	\$865,826.64	\$164,507.06	\$1,030,333.70	\$1,094,544.88	\$1,302,508.41
1586	Alistamiento de luces en general y cambio de lamparas laterales del volco		GLOBAL	1	\$422,347.00	\$80,245.93	\$502,592.93	\$827,659.00	\$157,255.21	\$984,914.21	\$287,054.28	\$54,540.31	\$341,594.59	\$512,353.43	\$609,700.58
1587	Cambio de pito reversa		UND	1	\$416,904.48	\$79,211.85	\$496,116.33	\$493,837.00	\$93,829.03	\$587,666.03	\$662,438.00	\$125,863.22	\$788,301.22	\$524,393.16	\$624,027.86
1588	Cambio switch de reversa		UND	1	\$905,727.00	\$115,088.13	\$720,815.13	\$446,344.20	\$84,805.40	\$531,149.60	\$467,505.00	\$88,825.95	\$556,330.95	\$506,525.40	\$602,765.23
1589	Tensionada de clutch		UND	1	\$667,544.40	\$126,833.44	\$794,377.84	\$1,063,973.00	\$202,154.87	\$1,266,127.87	\$988,823.00	\$187,876.37	\$1,176,699.37	\$906,780.13	\$1,079,068.36
1590	Maquinado en torno para dar Ajuste de la canastilla escualizacion		UND	1	\$1,627,380.00	\$309,202.20	\$1,936,582.20	\$1,349,142.00	\$256,336.98	\$1,605,478.98	\$1,321,161.12	\$251,020.61	\$1,572,181.73	\$1,432,561.04	\$1,704,747.64
1591	Embutajada del carrier		UND	1	\$1,051,055.00	\$199,700.45	\$1,250,755.45	\$767,450.52	\$145,815.60	\$913,266.12	\$1,603,480.00	\$304,661.20	\$1,908,141.20	\$1,140,661.84	\$1,357,387.59
1592	Desmontar y montar cilindro embrague para reparacion		UND	1	\$1,012,975.00	\$192,465.25	\$1,205,440.25	\$941,326.00	\$178,851.94	\$1,120,177.94	\$968,237.56	\$164,965.14	\$1,133,202.70	\$940,846.19	\$1,119,606.96
1593	Desmorte base filtro separador		UND	1	\$227,893.32	\$43,299.73	\$271,193.05	\$247,981.00	\$47,116.39	\$295,097.39	\$267,861.00	\$50,893.59	\$318,754.59	\$247,911.77	\$295,015.01
1594	Extraccion tornillos bocin		UND	1	\$200,386.80	\$38,073.49	\$238,460.29	\$268,902.00	\$51,091.38	\$319,993.38	\$201,336.00	\$38,253.84	\$239,589.84	\$223,541.60	\$266,014.50
1595	afectadas		GLOBAL	1	\$1,496,163.00	\$284,270.97	\$1,780,433.97	\$1,307,521.00	\$248,428.99	\$1,555,949.99	\$996,249.96	\$189,287.49	\$1,185,537.45	\$1,266,644.65	\$1,507,307.12
1596	Fabricacion de ganchos para volco soldada		UND	1	\$2,811,090.00	\$534,107.10	\$3,345,197.10	\$2,558,272.68	\$486,071.81	\$3,044,344.49	\$3,184,196.00	\$604,997.24	\$3,789,193.24	\$2,851,186.23	\$3,392,911.61
1597	Desmorte bomba principal clutch para cambio de empaquetadura		UND	1	\$1,950,577.00	\$370,609.63	\$2,321,186.63	\$1,158,252.00	\$220,067.88	\$1,378,319.88	\$795,126.60	\$151,074.05	\$946,200.65	\$1,301,318.53	\$1,548,569.05
1598	Desmontar bomba de clutch para cambio		UND	1	\$1,449,398.00	\$275,385.62	\$1,724,783.62	\$757,118.00	\$143,852.42	\$900,970.42	\$697,585.68	\$132,541.28	\$830,126.96	\$968,033.89	\$1,151,960.33
1599	empaquetadura		UND	1	\$1,453,255.92	\$276,118.62	\$1,729,374.54	\$2,497,507.00	\$474,526.33	\$2,972,033.33	\$1,819,822.00	\$345,766.18	\$2,165,588.18	\$1,923,528.31	\$2,288,998.68
1600	Desmontar y montar barra direccion para enderezado		UND	1	\$576,908.00	\$109,612.52	\$686,520.52	\$1,076,624.00	\$204,558.56	\$1,281,182.56	\$420,346.80	\$79,865.89	\$500,212.69	\$691,292.93	\$822,638.59
1601	Reparacion valvula relay freno de seguridad		UND	1	\$584,590.00	\$111,072.10	\$695,662.10	\$441,975.96	\$83,975.43	\$525,951.39	\$548,508.00	\$104,216.52	\$652,724.52	\$525,024.65	\$624,779.34
1602	Cambio pera de reversa		UND	1	\$816,381.00	\$155,112.39	\$971,493.39	\$1,614,716.00	\$306,796.04	\$1,921,512.04	\$594,114.48	\$112,881.75	\$706,996.23	\$1,008,403.83	\$1,200,000.55
1603	Cambio manguera tanque hidraulico		UND	1	\$2,021,227.00	\$384,033.13	\$2,405,260.13	\$1,115,877.00	\$212,016.63	\$1,327,893.63	\$747,418.32	\$142,009.48	\$889,427.80	\$1,294,840.77	\$1,540,860.52
1604	Desmorte bomba de alce para empaquetar		UND	1	\$643,154.00	\$122,199.26	\$765,353.26	\$925,101.00	\$175,769.19	\$1,100,870.19	\$606,137.40	\$115,166.11	\$721,303.51	\$724,797.47	\$862,508.99
1605	Montaje de llantas trasera		UND	1	\$391,658.00	\$74,415.02	\$466,073.02	\$271,100.00	\$51,509.00	\$322,609.00	\$282,352.00	\$53,646.88	\$335,998.88	\$315,036.67	\$374,893.63
1606	Vulcanizada de llanta		UND	1	\$277,624.80	\$52,748.71	\$330,373.51	\$614,618.00	\$116,777.42	\$731,395.42	\$401,721.00	\$76,326.99	\$478,047.99	\$431,321.27	\$513,272.31
1607	pintura pieza pequeña		UND	1	\$1,969,899.00	\$374,280.81	\$2,344,179.81	\$1,053,861.00	\$200,233.59	\$1,254,094.59	\$943,498.80	\$179,264.77	\$1,122,763.57	\$1,322,419.60	\$1,573,679.32
1608	pintura pieza grande		UND	1	\$703,990.44	\$133,758.18	\$837,748.62	\$896,038.00	\$170,247.22	\$1,066,285.22	\$1,264,221.00	\$240,201.99	\$1,504,422.99	\$954,749.81	\$1,136,152.28
1609	Sevicio de grua en camabaja incluido cabezote precio por kilometros		UND	1	\$66,282.00	\$12,593.58	\$78,875.58	\$113,400.00	\$21,546.00	\$134,946.00	\$46,614.24	\$8,856.71	\$55,470.95	\$75,432.08	\$89,764.18
	VOLQUETAS KODIAK														
	REPUESTOS														
	DESCRIPCION		UNIDAD	CANT											
1610	Filtro aire externo AIP2863														

ITEM	MOTONIVELADORA CATERPILLAR 120 K	UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	DESCRIPCION			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
1617	Inyector electronico motor	UND	1	\$5,737,797.00	\$1,090,181.43	\$6,827,978.43	\$4,982,987.16	\$946,767.56	\$5,929,754.72	\$5,793,864.00	\$1,100,834.16	\$6,894,698.16	\$5,504,882.72	\$6,550,810.44
1618	Soportes del motor	UND	1	\$1,594,348.00	\$302,926.12	\$1,897,274.12	\$1,069,890.84	\$203,279.26	\$1,273,170.10	\$2,655,967.00	\$504,633.73	\$3,160,600.73	\$1,773,401.95	\$2,110,348.32
1619	Juego de anillos motor 132-5246	JUEGO	1	\$6,412,434.00	\$1,218,362.46	\$7,630,796.46	\$5,034,468.24	\$956,548.97	\$5,991,017.21	\$12,287,864.00	\$2,334,694.16	\$14,622,558.16	\$7,911,588.75	\$9,414,790.61
1620	Casquetes de biela 7w9415	UND	1	\$1,246,083.00	\$236,755.77	\$1,482,838.77	\$2,085,758.00	\$396,294.02	\$2,482,052.02	\$869,208.48	\$165,149.61	\$1,034,358.09	\$1,400,349.83	\$1,666,416.29
1621	Casquetes biela std	UND	1	\$1,475,287.00	\$280,304.53	\$1,755,591.53	\$958,259.88	\$182,069.38	\$1,140,329.26	\$1,413,292.00	\$268,525.48	\$1,681,817.48	\$1,282,279.63	\$1,525,912.76
1622	Casquetes bancada std	UND	1	\$1,687,994.00	\$320,718.86	\$2,008,712.86	\$1,293,634.80	\$245,790.61	\$1,539,425.41	\$3,318,000.00	\$348,420.00	\$3,948,420.00	\$2,099,876.27	\$2,498,852.76
1623	Empaquetadura superior motor	UND	1	\$7,352,626.00	\$1,396,998.94	\$8,749,624.94	\$3,854,848.68	\$732,421.25	\$4,587,269.93	\$4,387,958.00	\$833,712.02	\$5,221,670.02	\$5,198,477.56	\$6,186,188.30
1624	Balancin válvula	UND	1	\$1,128,507.00	\$214,416.33	\$1,342,923.33	\$930,943.44	\$176,879.25	\$1,107,822.69	\$1,921,457.00	\$365,076.83	\$2,286,533.83	\$1,326,969.15	\$1,579,093.28
1625	Válvulas de admisión	UND	1	\$2,642,406.00	\$502,057.14	\$3,144,463.14	\$1,213,689.96	\$230,601.09	\$1,444,291.05	\$1,497,384.00	\$284,502.96	\$1,781,886.96	\$1,784,493.32	\$2,123,547.05
1626	Válvulas de escape	UND	1	\$1,794,713.00	\$340,995.47	\$2,135,708.47	\$1,499,834.00	\$284,968.46	\$1,784,802.46	\$1,458,953.28	\$277,201.12	\$1,736,154.40	\$1,584,500.09	\$1,885,555.11
1627	Sellos válvulas	UND	1	\$1,071,116.28	\$203,512.09	\$1,274,628.37	\$2,598,769.00	\$493,766.11	\$3,092,535.11	\$1,471,140.00	\$279,516.60	\$1,750,656.60	\$1,713,675.09	\$2,039,273.36
1628	Guías válvulas	UND	1	\$1,582,824.00	\$300,736.56	\$1,883,560.56	\$2,403,811.00	\$456,724.09	\$2,860,535.09	\$1,117,254.96	\$212,278.44	\$1,329,533.40	\$1,701,296.65	\$2,024,543.02
1629	Bomba de agua	UND	1	\$3,733,021.20	\$709,274.03	\$4,442,295.23	\$4,949,619.00	\$940,427.61	\$5,890,046.61	\$9,508,313.00	\$1,806,579.47	\$11,314,892.47	\$6,063,651.07	\$7,215,744.77
1630	Correa bomba de agua	UND	1	\$316,909.08	\$60,212.73	\$377,121.81	\$771,557.00	\$146,595.83	\$918,152.83	\$443,172.00	\$84,202.68	\$527,374.68	\$510,546.03	\$607,549.77
1631	Reloj de combustible	UND	1	\$1,036,180.08	\$196,874.22	\$1,233,054.30	\$2,263,626.00	\$430,088.94	\$2,693,714.94	\$1,515,896.00	\$288,020.24	\$1,803,916.24	\$1,605,234.03	\$1,910,228.49
1632	Retenedor cigueñal motor	UND	1	\$538,795.00	\$102,371.05	\$641,166.05	\$1,026,662.00	\$195,065.78	\$1,221,727.78	\$457,071.48	\$86,843.58	\$543,915.06	\$674,176.16	\$802,269.63
1633	Reten trasero cigueñal motor	UND	1	\$392,857.56	\$74,642.94	\$467,500.50	\$567,157.00	\$107,759.83	\$674,916.83	\$1,011,935.00	\$192,267.65	\$1,204,202.65	\$657,316.52	\$782,206.66
1634	Hojas principales delanteras 22-516/1	UND	1	\$3,077,100.00	\$584,649.00	\$3,661,749.00	\$2,383,059.90	\$452,781.38	\$2,835,841.28	\$4,153,549.00	\$789,174.31	\$4,942,723.31	\$3,204,569.63	\$3,813,437.86
1635	Hojas segunda delantera 22-516/2	UND	1	\$1,740,977.00	\$330,785.63	\$2,071,762.63	\$1,788,386.00	\$339,793.34	\$2,128,179.34	\$1,730,389.50	\$328,774.01	\$2,059,163.51	\$1,753,250.83	\$2,086,368.49
1636	Hoja N°3 22516/3 delantera	UND	1	\$1,426,915.00	\$271,113.85	\$1,698,028.85	\$2,163,710.00	\$411,104.90	\$2,574,814.90	\$1,246,424.10	\$236,820.58	\$1,483,244.68	\$1,612,349.70	\$1,918,696.14
1637	Hoja principal trasera 22923/1	UND	1	\$1,633,704.00	\$310,403.76	\$1,944,107.76	\$2,660,461.00	\$505,487.59	\$3,165,948.59	\$1,699,489.00	\$322,902.91	\$2,022,391.91	\$1,997,884.67	\$2,377,482.75
1638	Hoja segunda trasera 22923/2	UND	1	\$1,152,328.00	\$218,942.32	\$1,371,270.32	\$1,043,172.00	\$198,202.68	\$1,241,374.68	\$1,528,347.00	\$290,385.93	\$1,818,732.93	\$1,241,282.33	\$1,477,125.98
1639	Hoja N° 3 delantera 22923/3	UND	1	\$1,044,364.00	\$198,429.16	\$1,242,793.16	\$1,712,590.00	\$325,392.10	\$2,037,982.10	\$808,628.70	\$153,639.45	\$962,268.15	\$1,188,527.57	\$1,414,347.80
1640	Hoja N° 4 trasera 22923/4	UND	1	\$1,169,686.00	\$222,240.34	\$1,391,926.34	\$1,124,517.00	\$213,658.23	\$1,338,175.23	\$843,421.50	\$160,250.09	\$1,003,671.59	\$1,045,874.83	\$1,244,591.05
1641	Hoja N° 3 trasera 22923/5	UND	1	\$780,613.50	\$148,316.57	\$928,930.07	\$1,101,606.00	\$209,305.14	\$1,310,911.14	\$1,691,554.00	\$321,395.26	\$2,012,949.26	\$1,191,257.83	\$1,417,596.82
1642	Hoja N° 6 trasera 22923/6	UND	1	\$1,021,584.00	\$194,100.96	\$1,215,684.96	\$813,171.30	\$154,502.55	\$967,673.85	\$1,911,483.00	\$363,181.77	\$2,274,664.77	\$1,248,746.10	\$1,486,007.86
1643	Hoja de resorte 22915/6	UND	1	\$1,041,321.00	\$197,850.99	\$1,239,171.99	\$781,246.20	\$148,436.78	\$929,682.98	\$1,502,743.00	\$285,521.17	\$1,788,264.17	\$1,108,436.73	\$1,319,039.71
1644	Hoja trasera 22915 /7	UND	1	\$981,415.00	\$186,468.85	\$1,167,883.85	\$745,965.60	\$141,733.46	\$887,699.06	\$1,688,033.00	\$320,726.27	\$2,008,759.27	\$1,138,471.20	\$1,354,780.73
1645	22923/2PA Hoja auxiliar	UND	1	\$744,199.80	\$141,397.96	\$885,597.76	\$1,029,502.00	\$195,605.38	\$1,225,107.38	\$2,041,321.00	\$387,850.99	\$2,429,171.99	\$1,271,674.27	\$1,513,292.38
1646	22-923/1 Aux hoja trasera	UND	1	\$1,547,970.00	\$294,114.30	\$1,842,084.30	\$1,140,688.00	\$216,730.72	\$1,357,418.72	\$766,322.40	\$145,601.26	\$911,923.66	\$1,151,660.13	\$1,370,475.56
1647	Bujes muelles RB190	UND	1	\$227,287.50	\$43,184.63	\$270,472.13	\$564,672.00	\$107,287.68	\$671,959.68	\$307,636.00	\$58,450.84	\$366,086.84	\$366,531.83	\$436,172.88
1648	Bujes RB191 muelles	UND	1	\$722,309.00	\$137,238.71	\$859,547.71	\$387,286.00	\$73,584.34	\$460,870.34	\$283,640.40	\$53,891.68	\$337,532.08	\$464,411.80	\$552,650.04
1649	Hoja segunda vuelta 22516/25V	UND	1	\$3,235,111.00	\$614,671.09	\$3,849,782.09	\$1,333,243.80	\$253,316.32	\$1,586,560.12	\$1,977,285.00	\$375,684.15	\$2,352,969.15	\$2,181,879.93	\$2,596,437.12
1650	Grapas para los muelles 5/8 X 10	UND	1	\$334,647.00	\$63,582.93	\$398,229.93	\$276,203.52	\$52,478.67	\$328,682.19	\$358,682.00	\$68,149.58	\$426,831.58	\$323,177.51	\$384,581.23
1651	Separador muelle 1x4x9	UND	1	\$186,664.00	\$35,466.16	\$222,130.16	\$165,360.00	\$31,418.40	\$196,778.40	\$149,574.24	\$28,419.11	\$177,993.35	\$167,199.41	\$198,967.30
1652	Abrazadera muelle 4x3	UND	1	\$91,945.80	\$17,469.70	\$109,415.50	\$188,523.00	\$35,819.37	\$224,342.37	\$133,379.00	\$25,342.01	\$158,721.01	\$137,949.27	\$164,159.63
1653	7/8 x 7 Pasador muelle trasero	UND	1	\$412,304.00	\$78,337.76	\$490,641.76	\$290,857.68	\$55,262.96	\$346,120.64	\$541,475.00	\$102,880.25	\$644,355.25	\$414,878.89	\$493,705.88
1654	Grapas para los muelles 7/8x3x20	UND	1	\$118,366.92	\$22,489.71	\$140,856.63	\$181,442.00	\$34,473.98	\$215,915.98	\$146,704.00	\$27,873.76	\$174,577.76	\$148,837.64	\$177,116.79
1655	Abrazadera muelle	UND	1	\$158,585.00	\$30,131.15	\$188,716.15	\$122,050.80	\$23,189.65	\$145,240.45	\$307,932.00	\$58,507.08	\$366,439.08	\$196,189.27	\$233,465.23
1656	Porta escualización	UND	1	\$3,186,577.00	\$605,449.63	\$3,792,026.63	\$2,209,626.00	\$419,828.94	\$2,629,454.94	\$3,090,313.00	\$587,159.47	\$3,677,472.47	\$2,828,838.67	\$3,366,318.01
1657	Canasta de eualización	UND	1	\$3,946,013.00	\$749,742.47	\$4,695,755.47	\$3,461,728.68	\$657,728.45	\$4,119,457.13	\$3,572,630.00	\$678,799.70	\$4,251,429.70	\$3,660,123.89	\$4,355,547.43
1658	Satélites	UND	1	\$3,966,562.08	\$753,646.80	\$4,720,208.88	\$7,427,604.00	\$1,411,244.76	\$8,838,848.76	\$5,265,869.00	\$1,000,515.11	\$6,266,384.11	\$5,553,345.03	\$6,608,480.58
1659	Sincronizador de reverso	UND	1	\$1,094,551.00	\$207,964.69	\$1,302,515.69	\$902,713.32	\$171,515.53	\$1,074,228.85	\$1,832,177.00	\$348,113.63	\$2,180,290.63	\$1,276,480.44	\$1,519,011.72
1660	Bujes transmision	UND	1	\$471,267.36	\$89,540.80	\$560,808.16	\$934,024.00	\$177,464.56	\$1,111,488.56	\$628,435.00	\$119,402.65	\$747,837.65	\$677,908.79	\$806,711.46
1661	Rodillo speed grande	UND	1	\$612,746.28	\$116,421.79	\$729,168.07	\$957,676.00	\$181,958.44	\$1,139,634.44	\$634,565.00	\$120,567.35	\$755,132.35	\$734,995.76	\$874,644.95
1662	Rodillo speed pequeño	UND	1	\$862,695.00	\$163,912.05	\$1,026,607.05	\$648,332.28	\$123,183.13	\$771,515.41	\$1,660,784.00	\$315,548.96	\$1,976,332.96	\$1,057,270.43	\$1,258,151.81
1663	A6154 sincronizador 1ra y reversa	UND	1	\$945,795.00	\$179,701.05	\$1,125,496.05	\$1,169,587.00	\$222,221.53	\$1,391,808.53	\$837,356.04	\$159,097.65	\$996,453.69	\$984,246.01	\$1,171,252.78
1664	A6137 sincronizador 4a y 5a	UND	1	\$935,397.00	\$177,725.43	\$1,113,122.43	\$1,382,392.00	\$262,664.48	\$1,645,056.48	\$1,072,019.00	\$203,683.61	\$1,275,702.61	\$1,129,936.00	\$1,344,623.84
1665	A6156 sincronizador 2a y 3a	UND	1	\$1,253,063.00	\$238,081.97	\$1,491,144.97	\$1,540,676.00	\$292,728.44	\$1,833,404.44	\$858,209.64	\$163,058.69	\$1,021,262.33	\$1,217,314.21	\$1,448,603.81
1666	Juego de Corona y speed	UND	1	\$15,343,622.00	\$2,915,288.18	\$18,258,910.18	\$7,142,599.08	\$1,357,093.83	\$8,499,692.91	\$9,673,585.00	\$1,837,981.15	\$11,511,566.15	\$10,719,935.36	\$12,756,723.00
1667	Reten speed 9773	UND	1	\$547,388.00	\$104,003.72	\$651,391.72	\$872,419.00	\$165,759.61	\$1,038,178.61	\$383,282.28	\$72,823.63	\$1,061,001.91	\$601,029.76	\$1,255,225.41
1668	Escualización completa													

ITEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION														
1676	Campana de equalización		UND	1	\$2,606,121.72	\$495,163.13	\$3,101,284.85	\$3,445,449.00	\$654,635.31	\$4,100,084.31	\$4,673,326.00	\$887,931.94	\$5,561,257.94	\$3,574,965.57	\$4,254,209.03
1677	Rodillo 44ML		UND	1	\$480,854.16	\$91,362.29	\$572,216.45	\$1,371,338.00	\$260,554.22	\$1,631,892.22	\$711,006.00	\$135,091.14	\$846,097.14	\$854,399.39	\$1,016,735.27
1678	Planetarios		UND	1	\$5,389,570.00	\$1,024,018.30	\$6,413,588.30	\$7,710,703.00	\$1,465,033.57	\$9,175,736.57	\$4,047,023.88	\$768,934.54	\$4,815,958.42	\$5,715,765.63	\$6,801,761.10
1679	Planetarios marca 118959		UND	1	\$4,621,919.76	\$878,164.75	\$5,500,084.51	\$9,045,452.00	\$1,718,635.88	\$10,764,087.88	\$5,580,946.00	\$1,060,379.74	\$6,641,325.74	\$6,416,105.92	\$7,635,166.04
1680	Rodamiento exterior rueda delantera		UND	1	\$714,074.54	\$135,674.16	\$849,748.70	\$1,484,868.00	\$282,124.92	\$1,766,992.92	\$802,213.00	\$152,420.47	\$954,633.47	\$1,000,385.18	\$1,190,458.36
1681	Rodamiento interior rueda delantera		UND	1	\$1,101,088.00	\$209,206.72	\$1,310,294.72	\$2,050,482.00	\$389,591.58	\$2,440,073.58	\$809,429.35	\$153,791.58	\$963,220.93	\$1,320,333.12	\$1,571,196.41
1682	Rodamiento interio rueda trasera		UND	1	\$1,062,336.00	\$201,843.84	\$1,264,179.84	\$1,865,569.00	\$354,458.11	\$2,220,027.11	\$775,578.65	\$147,359.94	\$922,938.59	\$1,234,494.55	\$1,469,048.51
1683	Rodamiento exterior rueda trasera		UND	1	\$790,973.10	\$150,284.89	\$941,257.99	\$957,771.00	\$181,976.49	\$1,139,747.49	\$1,160,276.00	\$220,452.44	\$1,380,728.44	\$969,673.37	\$1,153,911.31
1684	Rodamiento alternador		UND	1	\$182,867.58	\$34,744.84	\$217,612.42	\$227,516.00	\$43,228.04	\$270,744.04	\$286,160.00	\$54,370.40	\$340,530.40	\$232,181.19	\$276,295.62
1685	Rodamiento 6305		UND	1	\$105,616.14	\$20,067.07	\$125,683.21	\$111,395.00	\$21,165.05	\$132,560.05	\$163,544.00	\$31,073.36	\$194,617.36	\$126,851.71	\$150,953.54
1686	Rodamiento vaserilla transmission		UND	1	\$926,237.00	\$175,985.03	\$1,102,222.03	\$1,321,879.00	\$251,157.01	\$1,573,036.01	\$886,168.92	\$168,372.09	\$1,054,541.01	\$1,044,761.64	\$1,243,266.35
1687	Rodamiento tapa transmission		UND	1	\$930,138.72	\$176,726.36	\$1,106,865.08	\$1,551,707.00	\$294,824.33	\$1,846,531.33	\$1,103,862.00	\$209,733.78	\$1,313,595.78	\$1,195,235.91	\$1,422,330.73
1688	Rodillo propulsor		UND	1	\$1,427,242.00	\$271,175.98	\$1,698,417.98	\$1,048,271.00	\$199,171.49	\$1,247,442.49	\$708,233.82	\$134,564.43	\$842,798.25	\$1,061,248.94	\$1,262,886.24
1689	Rodillo externo 205149		UND	1	\$1,022,699.00	\$194,312.81	\$1,217,011.81	\$773,916.36	\$147,044.11	\$920,960.47	\$1,819,325.00	\$345,671.75	\$2,164,996.75	\$1,205,313.45	\$1,434,323.01
1690	Rodillo piloto		UND	1	\$733,877.34	\$139,436.69	\$873,314.03	\$974,995.00	\$185,249.05	\$1,160,244.05	\$1,629,608.00	\$309,625.52	\$1,939,233.52	\$1,112,826.78	\$1,324,263.87
1691	Rodillo delantero 205149		UND	1	\$1,461,273.00	\$277,641.87	\$1,738,914.87	\$644,307.30	\$122,418.39	\$766,725.69	\$941,604.00	\$178,904.76	\$1,120,508.76	\$1,015,728.10	\$1,208,716.44
1692	Rodamientos 33212		UND	1	\$2,777,215.00	\$527,670.85	\$3,304,885.85	\$1,915,172.70	\$363,882.81	\$2,279,055.51	\$3,992,586.00	\$758,591.34	\$4,751,177.34	\$2,894,991.23	\$3,445,039.57
1693	SET 408 rodillo y cuna 39590/3952		UND	1	\$782,001.00	\$148,580.19	\$930,581.19	\$747,277.00	\$141,982.63	\$889,259.63	\$660,432.24	\$125,482.13	\$785,914.37	\$729,903.41	\$868,585.06
1694	SET 406 rodillo y cuna 3782/3720		UND	1	\$1,574,662.00	\$299,185.78	\$1,873,847.78	\$749,899.80	\$142,480.96	\$892,380.76	\$1,082,566.00	\$205,687.54	\$1,288,253.54	\$1,135,709.27	\$1,351,494.03
1695	31594 Rodillo interno toma		UND	1	\$757,327.32	\$143,892.19	\$901,219.51	\$1,782,601.00	\$338,694.19	\$2,121,295.19	\$1,117,854.00	\$212,392.26	\$1,330,246.26	\$1,219,260.77	\$1,450,920.32
1696	25590 Rodillo y cuna punta		UND	1	\$690,921.00	\$131,274.99	\$822,195.99	\$656,667.36	\$124,766.80	\$781,434.16	\$1,315,593.00	\$249,962.67	\$1,565,555.67	\$887,727.12	\$1,056,395.27
1697	45285 rodillo y cuna trasero corredizo		UND	1	\$653,851.08	\$124,231.71	\$778,082.79	\$1,206,204.00	\$229,178.76	\$1,435,382.76	\$694,480.00	\$131,951.20	\$826,431.20	\$851,511.69	\$1,013,298.92
1698	Set-403 Rodillo y cuna 594/592		UND	1	\$964,410.00	\$183,237.90	\$1,147,647.90	\$482,512.32	\$91,677.34	\$574,189.66	\$593,422.00	\$112,750.18	\$706,172.18	\$680,114.77	\$809,336.58
1699	Set 319 Rodillo y cuna		UND	1	\$528,946.92	\$100,499.91	\$629,446.83	\$650,282.00	\$123,553.58	\$773,835.58	\$615,212.00	\$116,890.28	\$732,102.28	\$598,146.97	\$711,794.90
1700	SET-79 Rodillo y cuna		UND	1	\$1,616,167.00	\$307,071.73	\$1,923,238.73	\$632,068.56	\$120,093.03	\$752,161.59	\$919,253.00	\$174,658.07	\$1,093,911.07	\$1,055,829.52	\$1,256,437.13
1701	SET-401 Rodillo 580 cuna 572		UND	1	\$896,462.28	\$170,327.83	\$1,066,790.11	\$1,975,892.00	\$375,419.48	\$2,351,311.48	\$1,229,490.00	\$233,603.10	\$1,463,093.10	\$1,367,281.43	\$1,627,064.90
1702	SET-411 Rodillo y pista		UND	1	\$899,436.60	\$170,892.95	\$1,070,329.55	\$987,589.00	\$187,641.91	\$1,175,230.91	\$1,821,001.00	\$345,990.19	\$2,166,991.19	\$1,236,008.87	\$1,470,850.55
1703	Rodamientos del toma fuerza		UND	1	\$1,351,020.00	\$256,693.80	\$1,607,713.80	\$872,342.00	\$165,744.98	\$1,038,086.98	\$688,492.80	\$130,813.63	\$819,306.43	\$970,618.27	\$1,155,035.74
1704	Kit de embrague		JUEGO	1	\$12,686,292.00	\$2,410,395.48	\$15,096,687.48	\$6,469,157.52	\$1,229,139.93	\$7,698,297.45	\$9,302,909.00	\$1,767,552.71	\$11,070,461.71	\$9,486,119.51	\$11,288,482.21
1705	Bailnera del volante		UND	1	\$110,124.00	\$20,923.56	\$131,047.56	\$94,052.16	\$17,869.91	\$111,922.07	\$136,354.00	\$22,107.26	\$138,461.26	\$106,843.39	\$127,143.63
1706	Cremallera control aceleración inyector		UND	1	\$3,088,918.00	\$586,894.42	\$3,675,812.42	\$2,985,972.12	\$567,334.70	\$3,553,306.82	\$3,865,105.00	\$734,369.95	\$4,599,474.95	\$3,313,331.71	\$3,942,864.73
1707	Kit interno inyector		JUEGO	1	\$4,191,943.00	\$796,469.17	\$4,988,412.17	\$2,874,839.00	\$546,219.41	\$3,421,058.41	\$2,380,474.74	\$452,290.20	\$2,832,764.94	\$3,149,085.58	\$3,747,411.84
1708	Kit externo inyector		JUEGO	1	\$4,881,432.00	\$927,472.08	\$5,808,904.08	\$3,215,557.00	\$610,955.83	\$3,826,512.83	\$2,602,457.76	\$494,466.97	\$3,096,924.73	\$3,566,482.25	\$4,244,113.88
1709	Pera de aire		UND	1	\$830,549.00	\$157,804.31	\$988,353.31	\$638,284.68	\$121,274.09	\$759,558.77	\$885,585.00	\$168,261.15	\$1,053,846.15	\$784,806.23	\$933,919.41
1710	Sensor de presion de aceite		UND	1	\$1,210,501.00	\$229,995.19	\$1,440,496.19	\$1,017,556.56	\$193,335.75	\$1,210,892.31	\$1,273,720.00	\$242,006.80	\$1,515,726.80	\$1,167,259.19	\$1,389,038.43
1711	Sensor de velocidad		UND	1	\$869,831.64	\$165,268.01	\$1,035,099.65	\$992,304.00	\$188,537.76	\$1,180,841.76	\$921,711.00	\$175,125.09	\$1,096,836.09	\$927,948.88	\$1,104,259.17
1712	Sensor de temperatura de aire de admision		UND	1	\$871,961.00	\$165,672.59	\$1,037,633.59	\$745,329.96	\$141,612.69	\$886,942.65	\$1,282,666.00	\$243,706.54	\$1,526,372.54	\$966,652.32	\$1,150,316.26
1713	Sensor ICP		UND	1	\$2,242,644.00	\$426,102.36	\$2,668,746.36	\$1,592,020.00	\$302,483.80	\$1,894,503.80	\$1,365,737.04	\$259,490.04	\$1,625,227.08	\$1,733,467.01	\$2,062,825.75
1714	Sensor pedal acelerador		UND	1	\$1,018,047.00	\$193,428.93	\$1,211,475.93	\$1,276,981.00	\$242,626.39	\$1,519,607.39	\$963,419.76	\$183,049.75	\$1,146,469.51	\$1,086,149.25	\$1,292,517.61
1715	Sensor presion refuerzo original		UND	1	\$1,549,241.00	\$294,355.79	\$1,843,596.79	\$1,762,970.00	\$334,964.30	\$2,097,934.30	\$1,183,432.68	\$224,852.21	\$1,408,284.89	\$1,498,547.89	\$1,783,271.99
1716	15884629 Sensor de temperatura de refrigerante motor		UND	1	\$1,023,720.00	\$194,506.80	\$1,218,226.80	\$1,600,538.00	\$304,102.22	\$1,904,640.22	\$1,004,053.68	\$190,770.20	\$1,194,823.88	\$1,209,437.23	\$1,439,230.30
1717	Rodamiento control cardan		UND	1	\$562,302.00	\$106,837.38	\$669,139.38	\$1,224,912.00	\$232,733.28	\$1,457,645.28	\$613,707.00	\$116,604.33	\$730,311.33	\$800,307.00	\$952,365.33
1718	Eje transmisión trasero		UND	1	\$7,602,599.00	\$1,444,493.81	\$9,047,092.81	\$3,432,455.28	\$652,166.50	\$4,084,621.78	\$4,496,948.00	\$854,420.12	\$5,351,368.12	\$5,177,334.09	\$6,161,027.57
1719	Soporte central cardan		UND	1	\$1,298,201.40	\$246,658.27	\$1,544,859.67	\$2,869,038.00	\$545,117.22	\$3,414,155.22	\$1,528,131.00	\$290,344.89	\$1,818,475.89	\$1,898,456.80	\$2,259,163.59
1720	Cruceta cardan		UND	1	\$990,860.00	\$188,263.40	\$1,179,123.40	\$1,756,390.00	\$333,714.10	\$2,090,104.10	\$811,762.56	\$154,234.89	\$965,997.45	\$1,186,337.52	\$1,411,741.65
1721	Espigo y botella cardan 4"		UND	1	\$5,961,331.00	\$1,132,652.89	\$7,093,983.89	\$4,329,183.00	\$822,544.77	\$5,151,727.77	\$3,212,973.72	\$610,465.01	\$3,823,438.73	\$4,501,162.57	\$5,356,383.46
1722	Cardan completo		UND	1	\$7,029,141.00	\$1,335,536.79	\$8,364,677.79	\$4,400,590.68	\$836,112.23	\$5,236,702.91	\$4,750,145.00	\$902,527.55	\$5,652,672.55	\$5,393,292.23	\$6,418,017.75
1723	Turbo		UND	1	\$21,216,269.00	\$4,031,091.11	\$25,247,360.11	\$25,534,944.00	\$4,851,639.36	\$30,386,583.36	\$16,230,015.48	\$3,083,702.94	\$19,313,718.42	\$20,993,742.83	\$24,982,553.96
1724	Empaque turbo		UND	1	\$4,002,096.00	\$760,398.24	\$4,762,494.24	\$3,295,443.06	\$626,134.18	\$3,921,577.24	\$3,823,733.00	\$726,509.27	\$4,550,24242		

ÍTEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO			
	REPUESTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA		
	DESCRIPCION																
1735	Diafragmas camara de freno trasero				UND	1	\$144,812.00	\$27,514.28	\$172,326.28	\$97,273.00	\$18,481.87	\$115,754.87	\$96,064.92	\$18,252.33	\$114,317.25	\$112,716.64	\$134,132.80
1736	Bomba frenos 286171				UND	1	\$2,830,595.00	\$537,813.05	\$3,368,408.05	\$1,940,915.52	\$368,773.95	\$2,309,689.47	\$2,062,931.00	\$391,956.89	\$2,454,887.89	\$2,278,147.17	\$2,710,995.14
1737	Pera freno aire				UND	1	\$367,212.60	\$69,770.39	\$436,982.99	\$498,607.00	\$94,735.33	\$593,342.33	\$146,657.96	\$918,541.96	\$545,901.20	\$649,622.43	
1738	Diafragma camara de freno delantero				UND	1	\$229,731.00	\$43,648.89	\$273,379.89	\$118,853.64	\$22,582.19	\$141,435.83	\$131,643.00	\$25,012.17	\$156,655.17	\$160,075.88	\$190,490.30
1739	Campana				UND	1	\$1,544,590.00	\$293,472.10	\$1,838,062.10	\$1,212,688.06	\$230,410.74	\$1,443,098.82	\$340,662.40	\$2,133,622.40	\$1,516,746.03	\$1,804,927.77	
1740	T30-30 Cámara doble				UND	1	\$1,867,007.00	\$354,731.33	\$2,221,738.33	\$3,289,556.00	\$625,015.64	\$3,914,571.64	\$1,321,561.44	\$251,096.67	\$1,572,658.11	\$2,569,656.03	
1741	Freno de ahogo				UND	1	\$2,407,871.52	\$457,495.59	\$2,865,367.11	\$6,596,442.00	\$1,253,323.98	\$7,849,765.98	\$3,462,109.00	\$657,800.71	\$4,119,909.71	\$4,155,474.17	\$4,945,014.27
1742	Anillos freno de ahogo				UND	1	\$2,640,631.00	\$501,719.89	\$3,142,350.89	\$2,155,879.00	\$409,617.01	\$2,565,496.01	\$1,438,688.88	\$273,350.89	\$1,712,039.77	\$2,078,399.63	\$2,473,295.56
1743	Gobernador de aire 275195				UND	1	\$1,211,483.00	\$230,181.77	\$1,441,664.77	\$2,410,151.00	\$457,928.69	\$2,868,079.69	\$1,086,201.72	\$206,378.33	\$1,292,580.05	\$1,569,278.57	\$1,867,441.50
1744	Bomba hidraulica de dirección				UND	1	\$5,127,809.00	\$974,283.71	\$6,102,092.71	\$6,257,248.00	\$1,188,877.12	\$7,446,125.12	\$4,392,377.00	\$834,551.76	\$5,226,929.46	\$5,259,144.90	\$6,258,382.43
1745	Empaquetadura caja de dirección				UND	1	\$2,400,225.00	\$456,042.75	\$2,856,267.75	\$1,797,579.00	\$341,540.01	\$2,139,119.01	\$1,543,916.52	\$1,837,260.66	\$1,913,906.84	\$2,277,549.14	
1746	Espigo botella de dirección				UND	1	\$2,073,524.00	\$393,969.56	\$2,467,493.56	\$1,609,242.84	\$305,756.14	\$1,914,998.98	\$3,681,931.00	\$699,566.89	\$4,381,497.89	\$2,454,899.28	\$2,921,330.14
1747	Juego de terminales barra de la dirección ES3274/75				JUEGO	1	\$4,174,107.00	\$793,080.33	\$4,967,187.33	\$1,873,944.72	\$356,049.50	\$2,229,994.22	\$2,449,585.00	\$465,421.15	\$2,915,006.15	\$2,832,545.57	\$3,370,729.23
1748	Barra de dirección				UND	1	\$1,366,432.92	\$259,622.25	\$1,626,055.17	\$3,589,049.00	\$681,919.31	\$4,270,968.31	\$1,875,284.00	\$356,303.96	\$2,231,587.96	\$2,276,921.97	\$2,709,537.15
1749	Caña de dirección				UND	1	\$1,061,907.84	\$201,762.49	\$1,263,670.33	\$1,755,837.00	\$333,609.03	\$2,089,446.03	\$1,469,948.00	\$279,290.12	\$1,749,238.12	\$1,429,230.95	\$1,700,784.83
1750	Kit Dados direccion				JUEGO	1	\$918,310.00	\$174,478.90	\$1,092,788.90	\$799,745.76	\$151,951.69	\$951,697.45	\$1,117,907.00	\$212,402.33	\$1,330,309.33	\$945,320.92	\$1,124,931.89
1751	Copa caña de direccion				UND	1	\$1,646,935.00	\$312,917.65	\$1,959,852.65	\$639,674.28	\$121,538.11	\$761,212.39	\$938,757.00	\$178,363.83	\$1,117,120.83	\$1,075,122.09	\$1,279,395.29
1752	Reloj temperatura agua				UND	1	\$2,276,806.00	\$432,593.14	\$2,709,399.14	\$4,192,446.00	\$796,564.74	\$4,989,010.74	\$1,609,015.32	\$305,712.91	\$1,914,728.23	\$2,692,755.77	\$3,204,379.37
1753	Reloj presión de aceite				UND	1	\$1,418,011.00	\$269,422.09	\$1,687,433.09	\$1,228,817.16	\$233,475.26	\$1,462,292.42	\$2,814,103.00	\$534,679.57	\$3,348,782.57	\$1,820,310.39	\$2,166,169.36
1754	Amortiguadores 201853315				UND	1	\$2,717,024.00	\$516,234.56	\$3,233,258.56	\$1,946,384.00	\$369,812.96	\$2,316,196.96	\$1,321,399.80	\$251,065.96	\$1,572,465.76	\$1,994,935.93	\$2,373,973.76
1755	Arañas delanteras				UND	1	\$1,205,831.16	\$229,107.92	\$1,434,939.08	\$1,672,082.00	\$317,695.58	\$1,989,777.58	\$2,160,417.00	\$410,479.23	\$2,570,896.23	\$1,679,443.39	\$1,998,537.63
1756	Arañas traseras completas				UND	1	\$1,319,068.44	\$250,623.00	\$1,569,691.44	\$2,055,897.00	\$390,620.43	\$2,446,517.43	\$1,807,574.00	\$343,439.06	\$2,151,013.06	\$1,727,513.15	\$2,055,740.64
1757	Bomba Hidráulica para volco				UND	1	\$17,684,595.00	\$3,360,073.05	\$21,044,668.05	\$12,370,444.00	\$2,350,384.36	\$14,720,828.36	\$8,289,063.96	\$1,574,922.14	\$9,863,986.04	\$12,781,367.63	\$15,209,827.48
1758	Fan Clutch				UND	1	\$3,117,529.00	\$592,330.51	\$3,709,859.51	\$3,018,269.00	\$573,471.11	\$3,591,740.11	\$2,147,729.40	\$408,068.59	\$2,555,797.99	\$2,761,175.80	\$3,285,799.20
1759	Rin delantero ARTILLERO				UND	1	\$1,616,172.00	\$307,072.68	\$1,923,244.68	\$1,322,204.40	\$251,218.84	\$1,573,423.24	\$1,504,832.00	\$285,918.08	\$1,790,750.08	\$1,481,069.47	\$1,762,472.67
1760	Rin trasero ARTILLERO				UND	1	\$1,711,041.12	\$325,097.81	\$2,036,138.93	\$1,954,233.00	\$371,304.27	\$2,325,537.27	\$2,430,274.00	\$461,752.06	\$2,892,026.06	\$2,031,849.37	\$2,417,900.75
1761	Separador rin				UND	1	\$731,437.00	\$138,973.03	\$870,410.03	\$457,079.40	\$86,845.09	\$543,924.49	\$536,690.00	\$101,971.10	\$638,661.10	\$575,068.80	\$684,331.87
1762	Splinders				UND	1	\$3,966,769.00	\$753,686.11	\$4,720,455.11	\$1,797,962.67	\$341,612.91	\$2,139,575.58	\$1,997,407.00	\$379,507.33	\$2,376,914.33	\$2,587,379.56	\$3,078,981.67
1763	Motor de arranque				UND	1	\$5,355,996.00	\$1,017,639.24	\$6,373,635.24	\$5,274,330.00	\$1,002,122.70	\$6,276,452.70	\$4,872,520.98	\$925,778.99	\$5,798,299.97	\$5,167,615.66	\$6,149,462.64
1764	Switch de encendido				UND	1	\$819,368.28	\$153,679.97	\$973,048.25	\$1,112,930.00	\$211,456.70	\$1,324,386.70	\$2,129,015.00	\$404,512.85	\$2,533,527.85	\$1,353,771.09	\$1,610,987.60
1765	Pera de reversa				UND	1	\$646,041.00	\$122,747.79	\$768,788.79	\$542,610.36	\$103,095.97	\$645,706.33	\$1,006,742.00	\$191,280.98	\$1,198,022.98	\$731,797.79	\$870,839.37
1766	Valvula IPR				UND	1	\$1,774,241.00	\$337,105.79	\$2,111,346.79	\$1,379,277.36	\$262,062.70	\$1,641,340.06	\$2,034,706.00	\$386,594.14	\$2,421,300.14	\$1,729,408.12	\$2,057,995.66
1767	Neumaticos 1100x20				UND	1	\$838,202.00	\$159,258.38	\$997,460.38	\$346,386.38	\$65,813.41	\$412,199.79	\$445,575.00	\$84,659.25	\$530,234.25	\$543,387.79	\$646,631.47
1768	Tornillos centrales con tuerca 1/2 X 10				UND	1	\$41,616.59	\$7,907.15	\$49,523.74	\$54,747.00	\$10,401.93	\$65,148.93	\$93,292.00	\$17,725.48	\$111,017.48	\$63,218.53	\$75,230.05
1769	Espejo retrovisor con marco				UND	1	\$827,604.00	\$157,244.76	\$984,848.76	\$1,173,094.00	\$222,887.86	\$1,395,981.86	\$824,964.84	\$156,743.32	\$981,708.16	\$941,887.61	\$1,120,846.26
1770	Juego de bandas traseras				JUEGO	1	\$1,052,883.77	\$200,047.92	\$1,252,931.69	\$2,231,481.00	\$423,981.39	\$2,655,462.39	\$1,196,402.00	\$227,316.38	\$1,423,718.38	\$1,493,588.92	\$1,777,370.82
1771	Toma fuerza				UND	1	\$8,057,577.00	\$1,530,939.63	\$9,588,516.63	\$4,412,724.48	\$838,417.65	\$5,251,142.13	\$4,613,828.00	\$876,627.32	\$5,490,455.32	\$5,694,709.83	\$6,776,704.69
1772	Tuerca para el housing				UND	1	\$80,891.00	\$15,369.29	\$96,260.29	\$63,414.00	\$12,048.66	\$75,462.66	\$137,008.00	\$26,031.52	\$163,039.52	\$93,771.00	\$111,587.49
1773	Cruceca porta eculalización				UND	1	\$637,956.36	\$121,211.71	\$759,168.07	\$1,427,468.00	\$271,218.92	\$1,698,686.92	\$790,009.00	\$150,101.71	\$940,110.71	\$951,811.12	\$1,132,655.23
1774	Tuerca porta bronzes				UND	1	\$62,406.00	\$11,857.14	\$74,263.14	\$52,753.68	\$10,023.20	\$62,776.88	\$63,939.00	\$12,148.41	\$76,087.41	\$59,699.56	\$71,042.48
1775	Eje corredizo				UND	1	\$6,412,304.00	\$1,218,337.76	\$7,630,641.76	\$5,285,856.00	\$1,004,312.64	\$6,290,168.64	\$3,608,877.60	\$685,686.74	\$4,294,564.34	\$5,102,345.87	\$6,071,791.58
1776	Patín polea				UND	1	\$997,934.70	\$189,607.59	\$1,187,542.29	\$2,423,530.00	\$460,470.70	\$2,884,000.70	\$1,401,883.00	\$266,357.77	\$1,668,240.77	\$1,607,782.57	\$1,913,261.25
1777	Torre del bajo				UND	1	\$1,535,979.96	\$291,836.19	\$1,827,816.15	\$1,889,843.00	\$359,070.17	\$2,248,913.17	\$1,984,446.00	\$377,044.74	\$2,361,490.74	\$1,803,422.99	\$2,146,073.35
1778	Piñones locos				UND	1	\$2,755,420.00	\$523,529.80	\$3,278,949.80	\$1,854,085.68	\$352,276.28	\$2,206,361.96	\$4,551,396.00	\$864,765.24	\$5,416,161.24	\$3,053,633.89	\$3,633,824.33
1779	Cruceca spacer				UND	1	\$1,015,498.00	\$192,944.62	\$1,208,442.62	\$989,457.75	\$187,996.97	\$1,177,454.72	\$1,230,602.00	\$233,814.38	\$1,464,416.38	\$1,078,519.25	\$1,283,437.91
1780	Retenedor rueda delantera				UND	1	\$922,794.30	\$175,330.92	\$1,098,125.22	\$2,524,286.00	\$479,614.34	\$3,003,900.34	\$1,372,638.00	\$260,801.22	\$1,633,439.22	\$1,606,572.77	\$1,911,821.59
1781	Soportes cabina				UND	1	\$1,321,069.50	\$251,003.21	\$1,572,072.71	\$1,611,313.00	\$306,149.47	\$1,917,462.47	\$2,611,571.00	\$496,198.49	\$3,107,769.49	\$1,847,984.50	\$2,199,101.56
1782	Stop trasero completo				UND	1	\$1,007,463.15	\$191,418.00	\$1,198,881.15	\$1,227,349.00	\$233,196.31	\$1,460,545.31	\$1,693,415.00	\$321,748.85	\$2,015,163.85	\$1,309,409.05	\$1,558,196.77
1783	Stop redondos completos				UND	1	\$2,193,520.00	\$416,788.80	\$2,610,288.80	\$1,294,448.00	\$245,945.12	\$1,540,393.12	\$952,155.45	\$180,909.54	\$1,133,064.99	\$1,480,041.15	\$1,761,248.97
1784	Cocuyos lateral completo				UND	1	\$474,184.00	\$90,0									

ÍTEM	MOTONIVELADORA CATERPILLAR 120 K				UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS						VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION																
1794	Automático motor de arranque				UND	1	\$1,212,552.00	\$230,384.88	\$1,442,936.88	\$1,688,159.00	\$320,750.21	\$2,008,909.21	\$930,543.30	\$176,803.23	\$1,107,346.53	\$1,277,084.77	\$1,519,730.87
1795	Automático auxoilias motor de arranque				UND	1	\$865,555.65	\$164,455.57	\$1,030,011.22	\$1,088,295.00	\$206,776.05	\$1,295,071.05	\$1,057,516.00	\$200,928.04	\$1,258,444.04	\$1,003,788.88	\$1,194,508.77
1796	Juego de escobillas alternador				JUEGO	1	\$310,554.00	\$59,005.26	\$369,559.26	\$113,396.40	\$21,545.32	\$134,941.72	\$164,979.00	\$30,928.04	\$196,325.01	\$196,309.80	\$233,608.66
1797	Rodillo grande alternador				UND	1	\$398,225.00	\$75,662.75	\$473,887.75	\$208,954.80	\$39,701.41	\$248,656.21	\$213,541.00	\$40,572.79	\$254,113.79	\$273,573.60	\$325,552.58
1798	Bornes de batería				UND	1	\$101,316.00	\$19,250.04	\$120,566.04	\$178,249.00	\$33,867.31	\$212,116.31	\$96,496.65	\$18,334.36	\$114,831.01	\$125,353.88	\$149,171.12
1799	Relay encendido				UND	1	\$675,868.00	\$109,414.92	\$685,282.92	\$535,761.45	\$101,794.68	\$637,556.13	\$948,063.00	\$180,131.97	\$1,128,194.97	\$686,564.15	\$817,011.34
1800	Esparrago artilero				UND	1	\$326,884.50	\$62,108.06	\$388,992.56	\$357,053.00	\$67,840.07	\$424,893.07	\$605,426.00	\$115,030.94	\$720,456.94	\$429,787.83	\$511,447.52
1801	Chapeta artilera				UND	1	\$240,729.00	\$45,738.51	\$286,467.51	\$146,960.28	\$27,922.45	\$174,882.73	\$148,248.00	\$28,167.12	\$176,415.12	\$178,645.76	\$212,588.45
1802	Plumillas 20"				UND	1	\$285,603.00	\$54,264.57	\$339,867.57	\$253,030.68	\$48,075.83	\$301,106.51	\$381,477.00	\$72,480.63	\$453,957.63	\$306,703.56	\$364,977.24
1803	Brazos plumillas				UND	1	\$693,578.00	\$131,779.82	\$825,357.82	\$937,150.00	\$178,058.50	\$1,115,208.50	\$593,239.32	\$112,715.47	\$705,954.79	\$741,322.44	\$882,173.70
1804	Trapecio brazos plumillas				UND	1	\$620,234.28	\$117,844.51	\$738,078.79	\$1,605,276.00	\$305,002.44	\$1,910,278.44	\$805,995.00	\$153,139.05	\$959,134.05	\$1,010,501.76	\$1,202,497.09
1805	Topes delanteros chasis				UND	1	\$426,237.00	\$80,985.03	\$507,222.03	\$305,976.24	\$58,135.49	\$364,111.73	\$601,989.00	\$114,377.91	\$716,366.91	\$444,734.08	\$529,233.56
1806	Topes traseros chasis				UND	1	\$771,280.00	\$146,543.20	\$917,823.20	\$631,538.64	\$119,992.34	\$751,530.98	\$773,583.00	\$146,980.77	\$920,563.77	\$725,467.21	\$863,305.98
1807	Empaque eje trasero 9.5				UND	1	\$229,048.92	\$43,519.29	\$272,568.21	\$496,904.00	\$94,411.76	\$591,315.76	\$293,805.00	\$55,822.95	\$349,627.95	\$339,919.31	\$404,503.97
1808	Rodajas 7/8				UND	1	\$108,742.00	\$20,660.98	\$129,402.98	\$87,930.60	\$16,706.81	\$104,637.41	\$208,543.00	\$39,623.17	\$248,166.17	\$135,071.87	\$160,735.52
1809	Radiador				UND	1	\$24,698,243.00	\$4,692,666.17	\$29,390,909.17	\$8,934,339.96	\$1,697,524.59	\$10,631,864.55	\$12,545,887.00	\$2,383,718.53	\$14,929,605.53	\$15,392,823.32	\$18,317,459.75
1810	Intercooler				UND	1	\$9,688,072.00	\$1,840,733.68	\$11,528,805.68	\$18,620,426.00	\$3,537,880.94	\$22,158,306.94	\$6,515,781.48	\$1,237,998.48	\$7,753,779.96	\$11,608,093.16	\$13,813,630.86
1811	Volante 1335001				UND	1	\$3,270,444.00	\$621,384.36	\$3,891,828.36	\$5,064,038.00	\$962,167.22	\$6,026,205.22	\$2,360,788.56	\$448,549.83	\$2,809,338.39	\$3,565,090.19	\$4,242,457.32
1812	Tornillos 5/8 x 5				UND	1	\$47,287.00	\$8,984.53	\$56,271.53	\$82,925.00	\$15,755.75	\$98,680.75	\$32,036.10	\$6,086.86	\$38,122.96	\$54,082.70	\$64,358.41
1813	Araña 6 patas tipo 900				UND	1	\$968,038.00	\$183,927.22	\$1,151,965.22	\$574,993.80	\$109,248.82	\$684,242.62	\$683,569.00	\$129,878.11	\$813,447.11	\$742,200.27	\$883,218.32
1814	Campana artilera				UND	1	\$2,288,334.00	\$434,783.46	\$2,723,117.46	\$1,174,667.00	\$223,186.73	\$1,397,853.73	\$931,575.60	\$176,999.36	\$1,108,574.96	\$1,464,858.87	\$1,743,182.05
1815	Tornillos 3/4 x 3				UND	1	\$84,435.00	\$16,042.65	\$100,477.65	\$82,543.95	\$15,683.35	\$98,227.30	\$162,414.00	\$30,858.66	\$193,272.66	\$109,797.65	\$130,659.20
1816	Tuercas artileras				UND	1	\$170,584.00	\$32,410.96	\$202,994.96	\$88,076.00	\$16,734.44	\$104,810.44	\$77,804.10	\$14,782.78	\$92,586.88	\$112,154.70	\$133,464.09
1817	Conos sellados 5/8				UND	1	\$80,815.05	\$15,354.86	\$96,169.91	\$119,669.00	\$22,737.11	\$142,406.11	\$166,332.00	\$31,603.08	\$197,935.08	\$122,272.02	\$145,503.70
1818	Buje barra estabilizadora				UND	1	\$292,486.00	\$55,572.34	\$348,058.34	\$235,386.90	\$44,723.51	\$280,110.41	\$266,687.00	\$50,670.53	\$317,357.53	\$264,853.30	\$315,175.43
1819	Grapas barras estabilizadora				UND	1	\$273,275.55	\$51,922.35	\$325,197.90	\$715,434.00	\$135,932.46	\$851,366.46	\$397,424.00	\$75,510.56	\$472,934.56	\$462,044.52	\$549,832.97
1820	Rotor alternador				UND	1	\$1,002,754.00	\$190,523.26	\$1,193,277.26	\$954,737.10	\$181,400.05	\$1,136,137.15	\$1,908,197.00	\$362,557.43	\$2,270,754.43	\$1,288,562.70	\$1,533,389.61
1821	Inducido				UND	1	\$890,821.35	\$169,256.06	\$1,060,077.41	\$2,053,861.00	\$390,233.59	\$2,444,094.59	\$1,032,527.00	\$196,180.13	\$1,228,707.13	\$1,325,736.45	\$1,577,626.38
1822	Bendix				UND	1	\$1,714,393.00	\$325,734.67	\$2,040,127.67	\$1,092,205.80	\$207,519.10	\$1,299,724.90	\$1,233,518.00	\$234,368.42	\$1,467,886.42	\$1,346,705.60	\$1,602,579.66
1823	Buje arranque				UND	1	\$267,503.00	\$50,825.57	\$318,328.57	\$160,488.00	\$30,492.72	\$190,980.72	\$109,951.65	\$20,890.81	\$130,842.46	\$179,314.22	\$213,383.92
1824	copa pin arranque				UND	1	\$103,649.00	\$19,693.31	\$123,342.31	\$69,842.70	\$13,270.11	\$83,112.81	\$183,066.00	\$34,782.54	\$217,848.54	\$118,852.57	\$141,434.55
1825	Esparragos 3/4 eje				UND	1	\$132,568.00	\$25,187.92	\$157,755.92	\$128,298.00	\$24,376.62	\$152,674.62	\$103,677.30	\$19,698.69	\$123,375.99	\$121,514.43	\$144,602.18
1826	Abrazadera barra estabilizadora				UND	1	\$137,574.00	\$26,139.06	\$163,713.06	\$103,680.90	\$19,699.37	\$123,380.27	\$250,583.00	\$47,610.77	\$298,193.77	\$163,945.97	\$195,095.70
1827	Porta escobillas arranque				UND	1	\$722,051.00	\$137,189.69	\$859,240.69	\$606,868.20	\$115,304.96	\$722,173.16	\$1,049,287.00	\$199,364.53	\$1,248,651.53	\$792,735.40	\$943,355.13
1828	Rodajas 2"				UND	1	\$402,029.00	\$76,385.51	\$478,414.51	\$274,478.85	\$52,150.98	\$326,629.83	\$443,296.00	\$84,226.24	\$527,522.24	\$373,267.95	\$444,188.86
1829	Separadores auxiliares 3/8				UND	1	\$400,791.24	\$76,150.34	\$476,941.58	\$867,029.00	\$164,735.51	\$1,031,764.51	\$505,235.00	\$95,994.65	\$601,229.65	\$591,018.41	\$703,311.91
1830	Caucho Bajo				UND	1	\$66,104.00	\$12,559.76	\$78,663.76	\$55,343.88	\$10,515.34	\$65,859.22	\$127,440.00	\$24,213.60	\$151,653.60	\$82,962.63	\$98,725.53
1831	Guaya clutch				UND	1	\$1,745,858.00	\$331,713.02	\$2,077,571.02	\$992,576.88	\$188,589.61	\$1,181,166.49	\$1,045,409.00	\$198,627.71	\$1,244,036.71	\$1,261,281.29	\$1,500,924.74
1832	Disyuntor porta fusible				UND	1	\$116,532.00	\$22,141.08	\$138,673.08	\$174,716.00	\$33,196.04	\$207,912.04	\$217,380.00	\$41,302.20	\$258,682.20	\$169,542.67	\$201,755.77
1833	Juego de piones bomba de levante				JUEGO	1	\$3,345,651.00	\$635,673.69	\$3,981,324.69	\$2,245,078.44	\$426,564.90	\$2,671,643.34	\$3,439,484.00	\$653,501.96	\$4,092,985.96	\$3,010,071.15	\$3,581,984.66
1834	Empaque cárter				UND	1	\$802,316.00	\$152,440.04	\$954,756.04	\$391,911.84	\$74,463.25	\$466,375.09	\$552,401.00	\$104,956.19	\$657,357.19	\$582,209.61	\$692,829.44
1835	Empaquetadura enfriador de aceite				UND	1	\$1,344,229.00	\$255,403.51	\$1,599,632.51	\$801,003.00	\$152,190.57	\$953,193.57	\$706,607.28	\$134,255.38	\$840,862.66	\$950,613.09	\$1,131,229.58
1836	Sello múltiple de presión aceite				UND	1	\$208,136.52	\$39,545.94	\$247,682.46	\$268,504.00	\$51,015.76	\$319,519.76	\$533,562.00	\$101,376.78	\$634,938.78	\$336,734.17	\$400,713.67
1837	Termostato				UND	1	\$450,514.08	\$85,597.68	\$536,111.76	\$855,972.00	\$162,634.68	\$1,018,606.68	\$257,355.00	\$100,197.45	\$627,552.45	\$611,280.36	\$727,423.63
1838	Pera del bajo				UND	1	\$1,320,009.00	\$250,801.71	\$1,570,810.71	\$570,810.71	\$606,192.84	\$1,176,903.55	\$971,369.48	\$897,420.00	\$1,705,509.80	\$1,067,929.80	\$941,207.28
1839	Empaquetadura pera bajo				UND	1	\$1,355,172.00	\$257,482.68	\$1,612,654.68	\$921,334.68	\$175,053.59	\$1,096,388.27	\$2,685,599.00	\$510,263.81	\$3,195,862.81	\$1,654,035.23	\$1,968,301.92
1840	Base bypass				UND	1	\$564,361.20	\$107,228.63	\$671,589.83	\$944,388.00	\$179,433.72	\$1,123,821.72	\$661,889.00	\$125,758.91	\$787,647.91	\$723,546.07	\$861,019.82
1841	Balneras 6203				UND	1	\$43,297.00	\$8,226.43	\$51,523.43	\$69,067.00	\$13,122.73	\$82,189.73	\$33,654.96	\$6,394.44	\$40,049.40	\$48,672.99	\$57,920.85
1842	Balneras 6202				UND	1	\$40,213.80	\$7,640.62	\$47,854.42	\$69,881.00	\$13,277.39	\$83,158.39	\$46,218.00	\$8,781.42	\$54,999.42	\$52,104.27	\$62,004.08
1843	Tapón 1/4 NPT				UND	1	\$63,279.00	\$12,023.01	\$75,302.01	\$31,799.00	\$6,041.81	\$37,840.81	\$24,153.84	\$4,589.23	\$28,743.07	\$39,743.95	\$47,295.30
1844	Regulador alternador				UND	1	\$1,430,401.00	\$271,776.19	\$1,702,177.19	\$819,325.00	\$155,671.75	\$974,996.75	\$705,691.80	\$134,081.44	\$839,773.24	\$985,139.27	\$1,172,315.73
1845	Porta diodos				UND	1	\$577,312.20	\$109,689.32	\$687,001.52	\$1,173,131.00	\$222,894.89	\$1,396,025.89	\$860,097.00	\$163,418.43	\$1,023,515.43	\$670,180.07	\$1,035,514.28
1846	Grapas 3/4 X 4 X 9 1/2				UND	1	\$43,474.32	\$8,260.12	\$51,734.44	\$56,751.00	\$10,782.69	\$67,533.69	\$81,369.00	\$15,460.11	\$96,829.11	\$60,531.44	\$72,032.41
1847	Cremallera elevavirios				UND	1	\$1,712,111.00	\$325,301.09	\$2,037,412.09	\$853,129.08							

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO			
	REPUESTOS					VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA		
	DESCRIPCION																	
1853	Bomba de Transferencia original					UND	1	\$3,997,985.85	\$759,617.31	\$4,757,603.16	\$8,128,934.00	\$1,544,497.46	\$9,673,431.46	\$4,797,073.00	\$911,443.87	\$5,708,516.87	\$5,641,330.95	\$6,713,183.83
1854	Exploradora cuadrada					UND	1	\$841,725.00	\$159,927.75	\$1,001,652.75	\$1,055,043.00	\$200,458.17	\$1,255,501.17	\$2,054,614.00	\$390,376.66	\$2,444,990.66	\$1,317,127.33	\$1,567,381.53
1855	Lampara Stops					UND	1	\$766,640.88	\$145,661.77	\$912,302.65	\$1,574,340.00	\$299,124.60	\$1,873,464.60	\$1,124,476.00	\$1,338,126.44	\$1,338,126.44	\$1,155,152.29	\$1,374,631.23
1856	Tacómetro					UND	1	\$5,581,329.00	\$1,060,452.51	\$6,641,781.51	\$4,138,998.12	\$786,409.64	\$4,925,407.76	\$5,931,814.00	\$1,127,044.66	\$7,058,858.66	\$5,217,380.37	\$6,208,682.64
1857	Válvula palanca 29635					UND	1	\$1,709,233.00	\$324,754.27	\$2,033,987.27	\$3,147,173.00	\$597,962.87	\$3,745,135.87	\$1,157,856.12	\$219,992.66	\$1,377,848.78	\$2,004,754.04	\$2,385,657.31
1858	Retenedor 430119					UND	1	\$696,352.00	\$132,306.88	\$828,658.88	\$363,204.00	\$69,008.76	\$432,212.76	\$304,614.00	\$57,876.66	\$362,490.66	\$454,723.33	\$541,120.77
1859	Retenedor 430121					UND	1	\$302,105.16	\$57,399.98	\$359,505.14	\$529,746.00	\$100,651.74	\$630,397.74	\$426,642.00	\$81,061.98	\$507,703.98	\$419,497.72	\$499,202.29
1860	Separador artilero 5"					UND	1	\$651,199.00	\$123,727.81	\$774,926.81	\$533,354.04	\$101,337.27	\$634,691.31	\$1,187,869.00	\$225,695.11	\$1,413,564.11	\$790,807.35	\$941,060.74
1861	Corona alternador					UND	1	\$681,647.40	\$129,513.01	\$811,160.41	\$791,832.00	\$150,448.08	\$942,280.08	\$700,495.00	\$133,094.05	\$833,589.05	\$724,658.13	\$862,343.18
1862	Bombillo halógeno unidad delantera					UND	1	\$174,564.00	\$33,167.16	\$207,731.16	\$154,494.00	\$29,353.86	\$183,847.86	\$243,550.00	\$46,274.50	\$289,824.50	\$190,869.33	\$227,134.51
1863	Pito de servicio					UND	1	\$1,069,804.80	\$203,262.91	\$1,273,067.71	\$1,514,014.00	\$287,662.66	\$1,801,676.66	\$2,275,519.00	\$432,348.61	\$2,707,867.61	\$1,619,779.27	\$1,927,537.33
1864	Pito de reversa					UND	1	\$1,555,647.00	\$295,572.93	\$1,851,219.93	\$1,089,924.12	\$207,085.58	\$1,297,009.70	\$1,757,465.00	\$333,918.35	\$2,091,383.35	\$1,467,678.71	\$1,746,537.66
1865	Empaquetadura completa botella levante volco					UND	1	\$2,477,163.96	\$470,661.15	\$2,947,825.11	\$3,941,118.00	\$748,812.42	\$4,689,930.42	\$2,537,736.00	\$482,169.84	\$3,019,905.84	\$2,985,339.32	\$3,552,553.79
1866	Empaquetadura bomba alce de volco					UND	1	\$2,335,308.48	\$443,708.61	\$2,779,017.09	\$2,673,187.00	\$507,905.53	\$3,181,092.53	\$2,990,722.00	\$568,237.18	\$3,558,959.18	\$2,666,405.83	\$3,173,022.93
1867	Ochos bomba de alce del volco					UND	1	\$25,787,700.00	\$4,899,663.00	\$30,687,363.00	\$15,400,650.60	\$2,926,123.61	\$18,326,774.21	\$21,249,487.00	\$4,037,402.53	\$25,286,889.53	\$20,812,612.53	\$24,767,008.91
1868	Válvula de alivio					UND	1	\$986,771.00	\$187,486.49	\$1,174,257.49	\$1,679,994.00	\$319,198.86	\$1,999,192.86	\$747,429.12	\$142,011.53	\$899,440.65	\$1,138,064.71	\$1,354,297.00
1869	SSX015 Soporte template					UND	1	\$960,428.00	\$182,481.32	\$1,142,909.32	\$846,945.00	\$160,919.55	\$1,007,864.55	\$633,366.36	\$120,339.61	\$753,705.97	\$813,579.79	\$968,159.95
1870	Correas 17350					UND	1	\$329,640.00	\$62,631.60	\$392,271.60	\$181,384.56	\$34,463.07	\$215,847.63	\$192,551.00	\$36,584.69	\$229,135.69	\$234,525.19	\$279,084.97
1871	229844 Válvula de descargue o chillona					UND	1	\$1,437,645.00	\$273,152.55	\$1,710,797.55	\$1,113,083.00	\$211,485.77	\$1,324,568.77	\$945,828.72	\$179,707.46	\$1,125,536.18	\$1,165,518.91	\$1,386,967.50
1872	Pin housing 9 1/2					UND	1	\$24,126.48	\$4,584.03	\$28,710.51	\$30,140.00	\$5,726.80	\$35,866.60	\$56,310.00	\$10,698.90	\$67,008.90	\$36,858.83	\$43,862.00
1873	Retenedores rueda trasera 370003					UND	1	\$216,798.48	\$41,191.71	\$257,990.19	\$541,061.00	\$102,801.59	\$643,862.59	\$305,888.00	\$58,118.72	\$364,006.72	\$354,582.49	\$421,953.17
1874	Resorte banda					UND	1	\$159,685.00	\$30,340.15	\$190,025.15	\$229,180.00	\$43,544.20	\$272,724.20	\$23,230.85	\$23,223.85	\$145,454.65	\$170,365.27	\$202,734.67
1875	Empaquetadura caja 7028					UND	1	\$608,609.00	\$115,635.71	\$724,244.71	\$565,591.00	\$107,462.29	\$673,053.29	\$474,521.40	\$90,159.07	\$564,680.47	\$549,573.80	\$653,992.82
1876	4301761 piñón					UND	1	\$2,035,558.00	\$386,756.02	\$2,422,314.02	\$1,361,878.00	\$258,756.82	\$1,620,634.82	\$952,082.28	\$180,895.63	\$1,132,977.91	\$1,449,839.43	\$1,725,308.92
1877	Pera caja de cambios					UND	1	\$677,074.00	\$128,644.06	\$805,718.06	\$608,465.88	\$115,608.52	\$724,074.40	\$653,264.00	\$124,120.16	\$777,384.16	\$646,267.96	\$769,058.87
1878	Anillos compresor					UND	1	\$829,234.08	\$157,554.48	\$986,788.56	\$1,226,829.00	\$233,097.51	\$1,459,926.51	\$1,455,940.00	\$276,628.60	\$1,732,568.60	\$1,170,667.69	\$1,393,094.56
1879	Empaquetadura completa compresor					UND	1	\$1,302,891.00	\$247,549.29	\$1,550,440.29	\$1,267,868.00	\$240,894.92	\$1,508,762.92	\$1,242,249.84	\$236,027.47	\$1,478,277.31	\$1,271,002.95	\$1,512,493.51
1880	Casquetes compresor					UND	1	\$753,261.12	\$143,119.61	\$896,380.73	\$1,785,395.00	\$339,225.05	\$2,124,620.05	\$1,067,826.00	\$202,886.94	\$1,270,712.94	\$1,202,160.71	\$1,439,571.24
1881	73507L Bajo de aire					UND	1	\$4,849,056.00	\$921,320.64	\$5,770,376.64	\$9,476,869.00	\$1,800,605.11	\$11,277,474.11	\$4,458,453.48	\$847,106.16	\$5,305,559.64	\$6,261,459.49	\$7,451,136.80
1882	Eje de 33 estrías					UND	1	\$2,467,414.80	\$468,808.81	\$2,936,223.61	\$3,590,850.00	\$682,261.50	\$4,273,111.50	\$4,399,759.00	\$835,954.21	\$5,235,713.21	\$3,486,007.93	\$4,148,349.44
1883	Switch start					UND	1	\$1,050,686.00	\$199,630.34	\$1,250,316.34	\$1,383,339.00	\$262,834.41	\$1,646,173.41	\$814,919.76	\$154,834.75	\$969,754.51	\$1,082,981.59	\$1,288,748.09
1884	kit chetes culata compresor					JUEGO	1	\$1,121,356.80	\$213,057.79	\$1,334,414.59	\$1,506,149.00	\$286,168.31	\$1,792,317.31	\$1,327,718.00	\$527,665.34	\$3,304,851.34	\$1,801,563.93	\$2,143,861.08
1885	Exploradoras					UND	1	\$1,676,130.84	\$318,464.86	\$1,994,595.70	\$3,248,716.00	\$617,256.04	\$3,865,972.04	\$2,322,375.00	\$441,251.25	\$2,763,626.25	\$2,415,740.61	\$2,874,731.33
1886	Solenoides de apagado 12557711					UND	1	\$4,611,263.00	\$876,139.97	\$5,487,402.97	\$2,539,226.00	\$482,452.94	\$3,021,678.94	\$2,334,402.36	\$443,536.45	\$2,777,938.81	\$3,161,630.45	\$3,762,340.24
1887	Tapa campana 27838					UND	1	\$193,861.00	\$36,833.59	\$230,694.59	\$111,160.00	\$21,120.40	\$132,280.40	\$102,508.92	\$19,476.69	\$121,985.61	\$135,843.31	\$161,653.53
1888	Bronce bajo 27838					UND	1	\$1,079,886.00	\$205,178.34	\$1,285,064.34	\$500,987.88	\$95,187.70	\$596,175.58	\$705,396.00	\$134,025.24	\$839,421.24	\$762,089.96	\$906,887.05
1889	Piñón bajo 27835					UND	1	\$2,664,625.00	\$506,278.75	\$3,170,903.75	\$1,892,630.00	\$359,599.70	\$2,252,229.70	\$1,410,180.48	\$267,934.29	\$1,678,114.77	\$1,989,145.16	\$2,367,082.74
1890	Switch direccional					UND	1	\$1,194,073.00	\$226,873.87	\$1,420,946.87	\$590,698.44	\$112,232.70	\$702,931.14	\$602,465.00	\$114,468.35	\$716,933.35	\$795,745.48	\$946,937.12
1891	Protector R20					UND	1	\$88,282.00	\$16,773.58	\$105,055.58	\$87,227.64	\$16,573.25	\$103,800.89	\$121,948.00	\$23,170.12	\$145,118.12	\$99,152.55	\$117,991.53
1892	espejo auxiliar acero inox					UND	1	\$690,220.00	\$131,141.80	\$821,361.80	\$1,019,816.00	\$193,765.04	\$1,213,581.04	\$534,084.84	\$101,476.12	\$635,560.96	\$748,040.28	\$890,167.93
1893	15955710 pera presion aceite					UND	1	\$417,264.00	\$79,280.16	\$496,544.16	\$600,943.00	\$114,179.17	\$715,122.17	\$315,774.72	\$59,997.20	\$375,771.92	\$444,660.57	\$529,146.08
1894	Grasa x libra					UND	1	\$83,383.80	\$0.00	\$83,383.80	\$117,379.00	\$0.00	\$117,379.00	\$230,060.00	\$0.00	\$230,060.00	\$143,607.60	\$143,607.60
1895	Regulador de presion 1356959					UND	1	\$888,323.76	\$168,781.51	\$1,057,105.27	\$1,557,840.00	\$295,989.60	\$1,853,829.60	\$1,024,977.00	\$194,745.63	\$1,219,722.63	\$1,157,046.92	\$1,376,885.83
1896	Cacuco pedal					UND	1	\$83,786.00	\$15,919.34	\$99,705.34	\$124,089.00	\$23,576.91	\$147,665.91	\$56,382.84	\$10,712.74	\$67,095.58	\$88,085.95	\$104,822.28
1897	56931 Plato bajo					UND	1	\$1,220,327.00	\$231,862.13	\$1,452,189.13	\$849,900.24	\$161,481.05	\$1,011,381.29	\$1,942,478.00	\$369,070.82	\$2,311,548.82	\$1,337,568.41	\$1,591,706.41
1898	Bujes para capot					UND	1	\$124,497.00	\$23,654.43	\$148,151.43	\$107,318.16	\$20,390.45	\$127,708.61	\$134,313.00	\$25,519.47	\$159,832.47	\$122,042.72	\$145,230.84
1899	Abrazadera 3/8					UND	1	\$40,677.00	\$7,728.63	\$48,405.63	\$33,752.88	\$6,413.05	\$40,165.93	\$76,772.00	\$14,586.68	\$91,358.68	\$50,400.63	\$59,976.75
1900	Bloque separador guia 1x3x6					UND	1	\$416,239.92	\$79,085.58	\$495,325.50	\$792,908.00	\$150,652.52	\$943,560.52	\$558,039.00	\$106,027.41	\$664,066.41	\$589,062.31	\$700,984.14
1901	Espejo auxiliar 7 cromada					UND	1	\$228,137.00	\$43,346.03	\$271,483.03	\$114,737.76	\$21,800.17	\$136,537.93	\$150,532.00	\$28,601.08	\$179,133.08	\$164,468.92	\$195,718.01
1902	4301759 Piñón de 4ta					UND	1	\$1,073,250.00	\$203,917.50	\$1,277,167.50	\$1,479,282.00	\$281,063.58	\$1,760,345.58	\$2,338,972.00	\$444,404.68	\$2,783,376.68	\$1,630,53	

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUUESTOS		DESCRIPCION			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
1912	Valvula levante volco		UND	1		\$3,261,088.00	\$619,606.72	\$3,880,694.72	\$2,609,208.00	\$495,749.52	\$3,104,957.52	\$1,905,438.60	\$362,033.33	\$2,267,471.93	\$2,591,911.53	\$3,084,374.72
1913	15063142 Soporte motor 3126		UND	1		\$1,068,027.48	\$202,925.22	\$1,270,952.70	\$1,101,528.00	\$209,290.32	\$1,310,818.32	\$1,700,877.00	\$323,166.63	\$2,024,043.63	\$1,290,144.16	\$1,535,271.55
1914	370212 Retenedor		UND	1		\$299,329.56	\$56,872.62	\$356,202.18	\$424,169.00	\$80,592.11	\$504,761.11	\$799,675.00	\$151,938.25	\$951,613.25	\$507,724.52	\$604,192.18
1915	Pñon 3ra correzido 6305A		UND	1		\$1,472,561.00	\$279,786.59	\$1,752,347.59	\$1,273,871.16	\$242,035.52	\$1,515,906.68	\$1,632,710.00	\$310,214.90	\$1,942,924.90	\$1,459,714.05	\$1,737,059.72
1916	Espejo completo		UND	1		\$1,187,015.00	\$225,532.85	\$1,412,547.85	\$563,387.40	\$107,043.61	\$670,431.01	\$618,476.00	\$117,510.44	\$735,986.44	\$789,626.13	\$939,655.10
1917	luna espejo		UND	1		\$96,180.84	\$18,274.36	\$114,455.20	\$134,030.00	\$25,465.70	\$159,495.70	\$214,404.00	\$40,736.76	\$255,140.76	\$148,204.95	\$176,363.89
1918	Juego de farolas opticas 6052		UND	1		\$2,201,026.00	\$418,194.94	\$2,619,220.94	\$3,203,472.00	\$608,659.68	\$3,812,131.68	\$1,535,448.24	\$291,735.17	\$1,827,183.41	\$2,313,315.41	\$2,752,845.34
1919	Bota llanta		UND	1		\$640,844.00	\$121,760.36	\$762,604.36	\$293,525.10	\$55,769.77	\$349,294.87	\$332,295.00	\$63,136.05	\$395,431.05	\$422,221.37	\$502,443.43
1920	parche # 14		UND	1		\$109,153.08	\$20,739.09	\$129,892.17	\$144,719.00	\$27,496.61	\$172,215.61	\$197,093.00	\$37,447.67	\$234,540.67	\$150,321.69	\$178,882.82
1921	Soportes tpt		UND	1		\$682,048.44	\$129,589.20	\$811,637.64	\$1,302,053.00	\$247,390.07	\$1,549,443.07	\$934,548.00	\$177,564.12	\$1,112,112.12	\$972,883.15	\$1,157,730.94
1922	Tensor correa		UND	1		\$659,538.00	\$125,312.22	\$784,850.22	\$342,254.16	\$65,028.29	\$407,282.45	\$462,115.00	\$87,801.85	\$549,916.85	\$487,969.05	\$580,683.17
1923	Eje del toma F56305		UND	1		\$3,945,533.00	\$749,651.27	\$4,695,184.27	\$5,324,983.00	\$1,011,746.77	\$6,336,729.77	\$3,332,347.20	\$633,145.97	\$3,965,493.17	\$4,200,954.40	\$4,999,135.74
1924	Shim ajuste caja		UND	1		\$98,963.00	\$18,802.97	\$117,765.97	\$71,814.24	\$13,644.71	\$85,458.95	\$136,551.00	\$25,944.69	\$162,495.69	\$102,442.75	\$121,906.87
1925	Semaforo de bombillo cuadrado		UND	1		\$1,510,938.00	\$287,078.22	\$1,798,016.22	\$1,456,979.00	\$276,826.01	\$1,733,805.01	\$1,147,320.36	\$217,990.87	\$1,365,311.23	\$1,371,745.79	\$1,632,377.49
1926	lampara cabina		UND	1		\$452,737.00	\$86,020.03	\$538,757.03	\$587,245.00	\$111,576.55	\$698,821.55	\$394,486.92	\$74,952.51	\$469,439.43	\$478,156.31	\$569,006.00
1927	Switch de pie		UND	1		\$700,646.00	\$133,122.74	\$833,768.74	\$445,489.92	\$84,643.08	\$530,133.00	\$655,263.00	\$124,499.97	\$779,762.97	\$600,466.31	\$714,554.90
1928	Flasher 12v con soporte		UND	1		\$316,852.00	\$60,201.88	\$377,053.88	\$187,652.00	\$35,653.88	\$223,305.88	\$158,026.68	\$30,025.07	\$188,051.75	\$220,843.56	\$262,803.84
1929	Luna espejo 186		UND	1		\$373,018.32	\$70,873.48	\$443,891.80	\$512,626.00	\$97,389.94	\$610,024.94	\$374,222.00	\$71,102.18	\$445,324.18	\$419,955.44	\$499,746.97
1930	Empaquetadura toma fuerza		UND	1		\$910,517.76	\$172,998.37	\$1,083,516.13	\$1,552,430.00	\$294,961.70	\$1,847,391.70	\$1,349,182.00	\$256,344.58	\$1,605,526.58	\$1,270,709.92	\$1,512,144.80
1931	Valvula con racores y tapon		UND	1		\$617,712.00	\$117,365.28	\$735,077.28	\$947,514.00	\$180,027.66	\$1,127,541.66	\$567,704.88	\$107,863.93	\$675,568.81	\$710,976.96	\$846,062.58
1932	Cilindros con llave puerta		UND	1		\$650,207.52	\$123,539.43	\$773,746.95	\$1,093,605.00	\$207,784.95	\$1,301,389.95	\$657,577.00	\$124,939.63	\$782,516.63	\$800,463.17	\$952,551.18
1933	Manija vidrio		UND	1		\$106,513.92	\$20,237.64	\$126,751.56	\$225,014.00	\$42,752.66	\$267,766.66	\$124,984.00	\$23,746.96	\$148,730.96	\$152,170.64	\$181,083.06
1934	Lampara lateral led		UND	1		\$477,804.00	\$90,782.76	\$568,586.76	\$437,087.16	\$83,046.56	\$520,133.72	\$617,268.00	\$117,280.92	\$734,548.92	\$510,719.72	\$607,756.47
1935	Alternador 12 V		UND	1		\$3,653,078.10	\$694,084.84	\$4,347,162.94	\$7,272,178.00	\$1,381,713.82	\$8,653,891.82	\$4,098,981.00	\$778,806.39	\$4,877,787.39	\$5,008,079.03	\$5,959,614.05
1936	Guardabarros		UND	1		\$6,565,200.00	\$1,247,388.00	\$7,812,588.00	\$3,353,838.84	\$637,229.38	\$3,991,068.22	\$4,370,581.00	\$830,410.39	\$5,200,991.39	\$4,763,206.61	\$5,668,215.87
1937	extension guerdafango un solo lado		UND	1		\$6,279,419.00	\$1,193,089.61	\$7,472,508.61	\$3,584,959.00	\$681,142.21	\$4,266,101.21	\$2,828,525.40	\$537,419.83	\$3,365,945.23	\$4,230,967.80	\$5,034,851.68
1938	Cojunto delantero (capot)		UND	1		\$6,661,760.76	\$1,265,734.54	\$7,927,495.30	\$7,909,833.00	\$1,502,868.27	\$9,412,701.27	\$12,564,281.00	\$2,387,213.39	\$14,951,494.39	\$9,045,291.59	\$10,763,896.99
1939	Persiana		UND	1		\$2,462,353.20	\$467,847.11	\$2,930,200.31	\$3,714,146.00	\$705,687.74	\$4,419,833.74	\$3,464,415.00	\$658,238.85	\$4,122,653.85	\$3,213,638.07	\$3,824,229.30
1940	Vidrio cabina trasera		UND	1		\$810,878.40	\$154,066.90	\$964,945.30	\$1,255,563.00	\$238,556.97	\$1,494,119.97	\$1,178,360.00	\$223,888.40	\$1,402,248.40	\$1,081,600.47	\$1,287,104.56
1941	Moldura vidrio trasero cabina		UND	1		\$470,461.00	\$89,387.59	\$559,848.59	\$349,365.96	\$66,379.53	\$415,745.49	\$581,539.00	\$110,492.41	\$692,031.41	\$467,121.99	\$555,875.16
1942	Vidrio panoramico delantero		UND	1		\$3,003,891.00	\$570,739.29	\$3,574,630.29	\$2,252,418.00	\$427,959.42	\$2,680,377.42	\$1,171,179.84	\$336,524.17	\$2,107,704.01	\$2,342,496.28	\$2,787,570.57
1943	Moldura vudrio panoramico delantero		UND	1		\$669,047.00	\$127,118.93	\$796,165.93	\$687,187.00	\$130,565.53	\$817,752.53	\$513,785.16	\$97,619.18	\$611,404.34	\$623,339.72	\$741,774.27
1944	Vidrio puerta cabina derecho		UND	1		\$1,146,388.00	\$217,813.72	\$1,364,201.72	\$560,717.64	\$106,536.35	\$667,253.99	\$810,641.00	\$154,021.79	\$964,662.79	\$839,248.88	\$998,706.17
1945	Vidrio puerta cabina izquierdo		UND	1		\$698,589.00	\$132,731.91	\$831,320.91	\$943,312.00	\$179,229.28	\$1,122,541.28	\$542,617.92	\$103,097.40	\$645,715.32	\$728,172.97	\$866,525.84
1946	Llantas traseras 295/80R 22.5 (16 lonas)		UND	1		\$11,068,488.00	\$2,103,012.72	\$13,171,500.72	\$9,374,192.00	\$1,781,096.48	\$11,155,288.48	\$6,380,990.00	\$1,212,388.10	\$7,593,378.10	\$8,941,223.33	\$10,640,055.77
1947	Llantas Delanteras 295/80R22.5 (16 lonas)		UND	1		\$10,434,394.00	\$1,982,534.86	\$12,416,928.86	\$6,180,990.00	\$1,174,388.10	\$7,355,378.10	\$7,838,272.00	\$1,489,271.68	\$9,327,543.68	\$8,151,218.67	\$9,699,950.21
1948	manometro digital		UND	1		\$1,133,781.84	\$215,418.55	\$1,349,200.39	\$1,318,591.00	\$250,532.29	\$1,569,123.29	\$1,509,249.00	\$286,757.31	\$1,796,006.31	\$1,320,540.61	\$1,571,443.33
1949	kit reparacion del motor completo		UND	1		\$36,440,122.20	\$6,923,623.22	\$43,363,745.42	\$39,868,758.00	\$7,575,064.02	\$47,443,822.02	\$71,576,144.00	\$13,599,467.36	\$85,175,611.36	\$49,295,008.07	\$58,661,059.60
1950	MODULO MOTOR CAT		UND	1		\$12,476,669.00	\$2,370,567.11	\$14,847,236.11	\$11,953,210.00	\$2,271,109.90	\$14,224,319.90	\$14,014,952.00	\$2,662,840.88	\$16,677,792.88	\$12,814,943.67	\$15,249,782.96
1951	BOMBA VICKER		UND	1		\$3,120,522.00	\$592,899.18	\$3,713,421.18	\$4,137,025.00	\$786,034.75	\$4,923,059.75	\$7,199,577.00	\$1,367,919.63	\$8,567,496.63	\$4,819,041.33	\$5,734,659.19
1952	MANGUERA R12 BOMBA VICKER		UND	1		\$480,000.00	\$91,200.00	\$571,200.00	\$496,780.00	\$94,388.20	\$591,168.20	\$806,860.00	\$153,303.40	\$960,163.40	\$594,546.67	\$707,510.53
	MANO DE OBRA															
	DESCRIPCION		UNIDAD	CANT												
1953	Revision de mantenimiento preventivo 5.000km		UND	1		\$1,928,972.00	\$366,504.68	\$2,295,476.68	\$690,317.64	\$131,160.35	\$821,477.99	\$1,025,867.00	\$194,914.73	\$1,220,781.73	\$1,215,052.21	\$1,445,912.13
1954	sistema hidraulico alce volco Trimestal + semestral		UND	1		\$846,168.00	\$160,771.92	\$1,006,939.92	\$1,401,691.00	\$266,321.29	\$1,668,012.29	\$792,820.80	\$150,635.95	\$943,456.75	\$1,013,559.93	\$1,206,136.32
1955	Revision de mantenimiento preventivo 15.000km		UND	1		\$2,316,008.00	\$440,041.52	\$2,756,049.52	\$1,008,535.68	\$191,621.78	\$1,200,157.46	\$1,159,672.00	\$220,337.68	\$1,380,009.68	\$1,494,738.56	\$1,778,738.89
1956	sistema hidraulico alce volco semestral+anual		UND	1		\$977,961.60	\$185,812.70	\$1,163,774.30	\$2,044,790.00	\$388,510.10	\$2,433,300.10	\$1,213,653.00	\$230,594.07	\$1,444,247.07	\$1,412,134.87	\$1,680,440.49
1957	Desmontar y montar motor completo		UND	1		\$5,853,471.00	\$1,112,159.49	\$6,965,630.49	\$9,500,536.00	\$1,805,101.84	\$11,305,637.84	\$4,694,051.40	\$891,869.77	\$5,585,921.17	\$6,682,686.13	\$7,952,396.50
1958	M.O reparacion general motor incluido trabajos de mecanica y de rectificadora		GLOBAL	1		\$8,147,588.04	\$1,548,041.73	\$9,695,629.77	\$11,086,885.00	\$2,106,508.15	\$13,193,393.15	\$11,192,800.00	\$2,126,632.00	\$13,319,432.00	\$10,142,424.35	\$12,069,484.97
1959	Desmontar y montar carter motor		UND	1		\$1,032,080.00	\$196,095.20	\$1,228,175.20	\$1,483,645.00	\$281						

ITEM	MOTONIVELADORA CATERPILLAR 120 K	UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION													
1969	Cambio soportes motor delantero (un solo lado)	UND	1	\$1,231,495.00	\$233,984.05	\$1,465,479.05	\$432,140.76	\$82,106.74	\$514,247.50	\$632,180.00	\$120,114.20	\$752,294.20	\$765,271.92	\$910,673.58
1970	Desmontar y montar caja de velocidades	UND	1	\$1,371,006.60	\$260,491.25	\$1,631,497.85	\$1,593,640.00	\$302,791.60	\$1,896,431.60	\$3,167,246.00	\$601,776.74	\$3,769,022.74	\$2,043,964.20	\$2,432,317.40
1971	Cambio soportes caja de velocidades	UND	1	\$923,003.00	\$175,370.57	\$1,098,373.57	\$575,278.00	\$109,302.82	\$684,580.82	\$444,729.24	\$84,498.56	\$529,227.80	\$647,670.08	\$770,727.40
1972	estado y ajuste	GLOBAL	1	\$5,658,207.00	\$1,075,059.33	\$6,733,266.33	\$8,467,405.00	\$1,608,806.95	\$10,076,211.95	\$7,556,435.00	\$1,435,722.65	\$8,992,157.65	\$7,227,349.00	\$8,600,545.31
1973	Calibrada de motor y cremallera de inyectores	UND	1	\$3,171,945.00	\$602,669.55	\$3,774,614.55	\$4,723,516.00	\$897,468.04	\$5,620,984.04	\$3,056,796.00	\$580,791.24	\$3,637,587.24	\$3,650,752.33	\$4,344,395.28
1974	Desmontar y montar caja de velocidades para Cambio kit de embrague	UND	1	\$4,033,633.00	\$766,390.27	\$4,800,023.27	\$2,726,566.80	\$518,047.69	\$3,244,614.49	\$4,320,637.00	\$820,921.03	\$5,141,558.03	\$3,693,612.27	\$4,395,398.60
1975	retenedores	UND	1	\$2,852,236.08	\$541,924.86	\$3,394,160.94	\$3,729,504.00	\$708,605.76	\$4,438,109.76	\$6,123,627.00	\$1,163,489.13	\$7,287,116.13	\$4,235,122.36	\$5,039,795.61
1976	Desmontar y montar diferencial trasero	UND	1	\$3,167,945.28	\$601,909.60	\$3,769,854.88	\$3,670,720.00	\$697,436.80	\$4,368,156.80	\$7,286,045.00	\$1,394,348.55	\$8,670,393.55	\$4,708,236.76	\$5,602,801.74
1977	ajuste	GLOBAL	1	\$7,012,568.00	\$1,332,387.92	\$8,344,955.92	\$4,165,931.00	\$791,526.89	\$4,957,457.89	\$4,010,227.56	\$761,943.24	\$4,772,170.80	\$5,062,908.85	\$6,024,861.54
1978	Cambio de rodamiento interno y externo speed diferencial trasero	UND	1	\$1,523,771.00	\$289,516.49	\$1,813,287.49	\$869,243.04	\$165,156.18	\$1,034,399.22	\$976,798.00	\$185,591.62	\$1,162,389.62	\$1,123,270.68	\$1,336,692.11
1979	Cambio de aceite diferencial	UND	1	\$653,911.00	\$124,243.09	\$778,154.09	\$576,280.00	\$109,493.20	\$685,773.20	\$403,620.60	\$76,687.91	\$480,308.51	\$544,603.87	\$648,078.60
1980	Cambio de aceite caja de cambios	UND	1	\$575,581.00	\$109,360.39	\$684,941.39	\$1,099,834.00	\$208,968.46	\$1,308,802.46	\$440,514.60	\$83,697.77	\$524,212.37	\$705,309.87	\$839,318.74
1981	Cambio camaras de frenos delanteros un solo lado	UND	1	\$536,394.96	\$101,915.04	\$638,310.00	\$624,371.00	\$118,630.49	\$743,001.49	\$581,024.00	\$110,394.56	\$691,418.56	\$580,596.65	\$690,910.02
1982	Cambio de candados frenos (un lado)	UND	1	\$396,631.44	\$75,359.97	\$471,991.41	\$607,624.00	\$115,448.56	\$723,072.56	\$453,955.00	\$86,251.45	\$540,206.45	\$486,070.15	\$578,423.47
1983	Cambio empaques bomba de frenos	UND	1	\$583,940.16	\$110,948.63	\$694,888.79	\$938,900.00	\$178,391.00	\$1,117,291.00	\$873,628.00	\$165,989.32	\$1,039,617.32	\$798,822.72	\$950,599.04
1984	Remachada de bandas de freno	UND	1	\$1,824,811.00	\$346,714.09	\$2,171,525.09	\$2,192,152.00	\$416,508.88	\$2,608,660.88	\$1,286,445.24	\$244,424.60	\$1,530,869.84	\$1,767,802.75	\$2,103,685.27
1985	Cambio de racores a la válvula del freno	UND	1	\$657,800.00	\$124,982.00	\$782,782.00	\$473,412.24	\$89,948.33	\$563,360.57	\$566,746.00	\$107,681.74	\$674,427.74	\$565,986.08	\$673,523.44
1986	Cambio bomba de frenos	UND	1	\$584,653.32	\$111,084.13	\$695,737.45	\$790,540.00	\$150,202.60	\$940,742.60	\$1,132,120.00	\$215,102.80	\$1,347,222.80	\$835,771.11	\$994,567.62
1987	Desmonte camara de aire delantera para cambio diafragma y reparacion	UND	1	\$428,959.80	\$81,502.36	\$510,462.16	\$632,178.00	\$120,113.82	\$752,291.82	\$507,094.00	\$96,347.86	\$603,441.86	\$522,743.93	\$622,065.28
1988	Desmonte camara de aire trasero para cambio diafragma y reparacion	UND	1	\$633,340.00	\$120,334.60	\$753,674.60	\$470,197.08	\$89,337.45	\$559,534.53	\$1,201,467.00	\$228,278.73	\$1,429,745.73	\$768,334.69	\$914,318.29
1989	Cambio camaras de frenos trasero un solo lado	UND	1	\$503,800.56	\$95,722.11	\$599,522.67	\$645,293.00	\$122,605.67	\$767,898.67	\$641,479.00	\$121,881.01	\$763,360.01	\$596,857.52	\$710,260.45
1990	Tensionar frenos	UND	1	\$483,417.36	\$91,849.30	\$575,266.66	\$509,686.00	\$96,840.34	\$606,526.34	\$774,466.00	\$147,148.54	\$921,614.54	\$589,189.79	\$701,135.85
1991	Desmontar y montar freno de ahogo	UND	1	\$815,129.00	\$154,874.51	\$970,003.51	\$875,969.00	\$166,434.11	\$1,042,403.11	\$676,067.04	\$128,452.74	\$804,519.78	\$789,055.01	\$938,975.47
1992	Desmonte rachets freno para cambio	UND	1	\$902,342.16	\$171,445.01	\$1,073,787.17	\$1,586,700.00	\$301,473.00	\$1,888,173.00	\$1,062,488.00	\$201,872.72	\$1,264,360.72	\$1,183,843.39	\$1,408,773.63
1993	Reparacion mecanica freno de ahogo	UND	1	\$607,125.00	\$115,353.75	\$722,478.75	\$791,145.00	\$150,317.55	\$941,462.55	\$527,832.36	\$100,288.15	\$628,120.51	\$642,034.12	\$764,020.60
1994	Arreglo sistema electrico freno de ahogo	UND	1	\$571,698.00	\$108,622.62	\$680,320.62	\$1,083,052.00	\$205,779.88	\$1,288,831.88	\$571,882.00	\$108,657.58	\$680,539.58	\$742,210.67	\$883,230.69
1995	Cambiar racor bomba de frenos	UND	1	\$881,503.00	\$167,485.57	\$1,048,988.57	\$599,461.20	\$113,897.63	\$713,358.83	\$1,693,102.00	\$321,689.38	\$2,014,791.38	\$1,058,022.07	\$1,259,046.26
1996	Cambio empaquetadura valvula relay del freno pie y seguridad	UND	1	\$1,039,042.00	\$197,417.98	\$1,236,459.98	\$655,297.92	\$124,506.80	\$779,804.52	\$893,307.00	\$169,728.33	\$1,063,035.33	\$862,548.97	\$1,026,433.28
1997	Cambio cauchos inyectores	UND	1	\$1,285,280.00	\$244,203.20	\$1,529,483.20	\$1,129,461.48	\$214,597.68	\$1,344,059.16	\$2,435,849.00	\$462,811.31	\$2,898,660.31	\$1,616,863.49	\$1,924,067.56
1998	laboratorio (uno solo)	GLOBAL	1	\$2,063,241.00	\$392,015.79	\$2,455,256.79	\$1,511,556.48	\$287,195.73	\$1,798,752.21	\$3,632,808.00	\$690,233.52	\$4,323,041.52	\$2,402,535.16	\$2,859,016.84
1999	Desmontar y montar inyector (uno solo)	UND	1	\$694,829.00	\$132,017.51	\$826,846.51	\$452,467.00	\$85,968.73	\$538,435.73	\$444,725.70	\$84,497.88	\$529,223.58	\$530,673.90	\$631,501.94
2000	Bajar tren de balancines, cremallera de los inyectores	UND	1	\$1,294,026.00	\$245,864.94	\$1,539,890.94	\$1,273,226.00	\$241,912.94	\$1,515,138.94	\$1,089,858.24	\$207,073.07	\$1,296,931.31	\$1,219,036.75	\$1,450,653.73
2001	Desmontar y montar bomba de inyeccion	UND	1	\$1,685,668.00	\$320,276.92	\$2,005,944.92	\$2,765,123.00	\$525,373.37	\$3,290,496.37	\$1,294,457.70	\$245,946.96	\$1,540,404.66	\$1,915,082.90	\$2,278,948.65
2002	Bajar regulador del sistema de inyeccion para cambio de empaquetadura	UND	1	\$1,191,469.00	\$226,379.11	\$1,417,848.11	\$1,732,572.00	\$329,188.68	\$2,061,760.68	\$868,748.40	\$165,062.20	\$1,033,810.60	\$1,264,263.13	\$1,504,473.13
2003	laboratorio y puesta apunto	GLOBAL	1	\$8,351,240.00	\$1,586,735.60	\$9,937,975.60	\$7,619,942.88	\$1,447,789.15	\$9,067,732.03	\$14,888,177.00	\$2,828,753.63	\$17,716,930.63	\$10,286,453.29	\$12,240,879.42
2004	Desmontar y montar Kin pin (un solo lado)	UND	1	\$419,675.04	\$79,738.26	\$499,413.30	\$460,442.00	\$87,483.98	\$547,925.98	\$899,675.00	\$170,938.25	\$1,070,613.25	\$593,264.01	\$705,984.18
2005	Desmontar y montar portamangueta (un solo lado)	UND	1	\$920,186.00	\$174,835.34	\$1,095,021.34	\$540,807.12	\$102,753.35	\$643,560.47	\$620,215.00	\$117,840.85	\$738,055.85	\$693,736.04	\$825,545.89
2006	Desmontar y Montar llanta delantera	UND	1	\$432,131.00	\$82,104.89	\$514,235.89	\$669,304.00	\$127,167.76	\$796,471.76	\$338,239.50	\$64,265.51	\$402,505.01	\$479,891.50	\$571,070.89
2007	Reparacion de rin delantero	UND	1	\$837,824.00	\$159,186.56	\$997,010.56	\$1,295,759.00	\$246,194.21	\$1,541,953.21	\$651,611.88	\$123,806.26	\$775,418.14	\$928,398.29	\$1,104,793.97
2008	Reparacion de rin trasero	UND	1	\$1,003,231.00	\$190,613.89	\$1,193,844.89	\$567,528.00	\$107,830.32	\$675,358.32	\$511,447.32	\$97,174.99	\$608,622.31	\$694,068.77	\$825,941.84
2009	Desmontar y montar pera de reversa	UND	1	\$1,407,392.00	\$267,404.48	\$1,674,796.48	\$551,469.96	\$104,779.29	\$656,249.25	\$726,759.00	\$138,084.21	\$864,843.21	\$895,206.99	\$1,065,296.31
2010	Desmontar y montar sensor ICP	UND	1	\$693,170.00	\$131,702.30	\$824,872.30	\$880,440.00	\$167,283.60	\$1,047,723.60	\$535,462.92	\$101,737.95	\$637,200.87	\$703,024.31	\$836,598.92
2011	Desmontar y montar valvula IPR	UND	1	\$1,427,457.00	\$271,216.83	\$1,698,673.83	\$884,091.00	\$167,977.29	\$1,052,068.29	\$610,562.16	\$116,006.81	\$726,568.97	\$974,036.72	\$1,159,103.70
2012	Desmontar y montar sensor de presion de refuerzo	UND	1	\$746,539.20	\$141,842.45	\$888,381.65	\$1,744,851.00	\$331,521.69	\$2,076,372.69	\$1,060,876.00	\$201,566.44	\$1,262,442.44	\$1,184,088.73	\$1,409,065.59
2013	Desmontar y montar espejo (un solo lado)	UND	1	\$851,672.00	\$161,817.68	\$1,013,489.68	\$617,212.08	\$117,270.30	\$734,482.38	\$1,268,339.68	\$240,984.41	\$1,509,323.41	\$912,407.69	\$1,085,765.16
2014	Desmontar y montar bomba de transferencia	UND	1	\$873,921.00	\$166,044.99	\$1,039,965.99	\$1,610,462.00	\$305,987.78	\$1,916,449.78	\$644,852.70	\$122,522.01	\$767,374.71	\$1,043,078.57	\$1,241,263.49
2015	Desmontar y montar relojes tablero (uno solo)	UND	1	\$542,269.00	\$103,031.11	\$645,300.11	\$448,990.92	\$85,308.27	\$534,299.19	\$767,876				

ÍTEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION														
2028	Cambio cruceta de cardan		UND	1	\$826,627.00	\$157,059.13	\$983,686.13	\$1,607,934.00	\$305,507.46	\$1,913,441.46	\$680,220.72	\$129,241.94	\$809,462.66	\$1,038,260.57	\$1,235,530.08
2029	Cambio de aceite y filtros motor		UND	1	\$1,496,598.00	\$284,353.62	\$1,780,951.62	\$990,529.00	\$188,200.51	\$1,178,729.51	\$901,339.80	\$171,254.56	\$1,072,594.36	\$1,129,488.93	\$1,344,091.83
2030	Cambio bomba Vicker		UND	1	\$616,163.40	\$117,071.05	\$733,234.45	\$1,540,371.00	\$292,670.49	\$1,833,041.49	\$923,688.00	\$175,500.72	\$1,099,188.72	\$1,026,740.80	\$1,221,821.55
2031	retenedores		UND	1	\$651,612.00	\$123,806.28	\$775,418.28	\$414,748.08	\$78,802.14	\$493,550.22	\$556,040.57	\$105,640.57	\$661,643.57	\$540,787.69	\$643,537.36
2032	retenedores		UND	1	\$738,231.00	\$140,263.89	\$878,494.89	\$578,723.00	\$109,957.37	\$688,680.37	\$432,249.48	\$82,127.40	\$514,376.88	\$583,067.83	\$693,850.71
2033	Cambio de Espárragos ruedas		UND	1	\$232,660.80	\$44,205.55	\$276,866.35	\$310,920.00	\$59,074.80	\$369,994.80	\$430,359.00	\$81,768.21	\$512,127.21	\$324,646.60	\$386,329.45
2034	Cambio chapetas de las ruedas		UND	1	\$740,521.00	\$140,698.99	\$881,219.99	\$605,086.92	\$114,966.51	\$720,053.43	\$1,114,791.00	\$211,810.29	\$1,326,601.29	\$820,132.97	\$975,958.24
2035	Bajar rueda trasera para cambio de araña y campana		UND	1	\$532,314.36	\$101,139.73	\$633,454.09	\$589,210.00	\$111,949.90	\$701,159.90	\$1,169,998.00	\$222,299.62	\$1,392,297.62	\$763,840.79	\$908,970.54
2036	Ajustar y engrasar Splinters		UND	1	\$902,263.00	\$171,429.97	\$1,073,692.97	\$887,915.52	\$168,703.95	\$1,056,619.47	\$1,451,471.00	\$275,779.49	\$1,727,250.49	\$1,080,549.84	\$1,285,854.31
2037	Desmontar y montar compresor de aire		UND	1	\$725,382.72	\$137,822.72	\$863,205.44	\$963,081.00	\$182,985.39	\$1,146,066.39	\$1,722,984.00	\$327,366.96	\$2,050,350.96	\$1,137,149.24	\$1,353,207.60
2038	Desarme y arme compresor de aire para cambio de empaquetadura		UND	1	\$2,273,648.00	\$431,993.12	\$2,705,641.12	\$1,610,752.32	\$306,042.94	\$1,916,795.26	\$3,576,930.00	\$679,616.70	\$4,256,546.70	\$2,487,110.11	\$2,959,661.03
2039	estado y trabajo de rectificadora		GLOBAL	1	\$4,850,977.68	\$921,685.76	\$5,772,663.44	\$9,783,791.00	\$1,858,920.29	\$11,642,711.29	\$5,428,563.00	\$1,031,426.97	\$6,459,989.97	\$6,687,777.23	\$7,958,454.90
2040	Reparacion y mantenimiento culata compresor		UND	1	\$2,365,145.00	\$449,377.55	\$2,814,522.55	\$1,522,781.64	\$289,328.51	\$1,812,110.15	\$1,991,294.00	\$378,345.86	\$2,369,639.86	\$1,959,740.21	\$2,332,090.85
2041	Desmonte manguera compresor para cambio		UND	1	\$984,904.00	\$187,131.76	\$1,172,035.76	\$1,615,322.00	\$306,911.18	\$1,922,233.18	\$683,394.12	\$129,844.88	\$813,239.00	\$1,094,540.04	\$1,302,502.65
2042	Cambio válvulas mando toma fuerza		UND	1	\$784,418.04	\$149,039.43	\$933,457.47	\$1,034,694.00	\$196,591.86	\$1,231,285.86	\$1,460,859.00	\$277,563.21	\$1,738,422.21	\$1,093,323.68	\$1,301,055.18
2043	Cambio empaquetadura bajo		UND	1	\$644,644.80	\$122,482.51	\$767,127.31	\$717,922.00	\$136,405.18	\$854,327.18	\$946,167.00	\$179,771.73	\$1,125,938.73	\$789,577.93	\$915,797.74
2044	Desmontar y montar bajo de aire		UND	1	\$1,069,187.00	\$203,145.53	\$1,272,332.53	\$689,485.00	\$131,002.15	\$820,487.15	\$956,528.20	\$113,150.36	\$708,678.56	\$784,733.40	\$933,832.75
2045	Cambio pera bajo		UND	1	\$1,272,150.00	\$241,708.50	\$1,513,858.50	\$817,407.00	\$155,307.33	\$972,714.33	\$626,798.16	\$119,091.65	\$745,889.81	\$905,451.72	\$1,077,487.55
2046	estado		UND	1	\$819,494.28	\$155,703.91	\$975,198.19	\$908,376.00	\$172,591.44	\$1,080,967.44	\$2,003,246.23	\$203,264.23	\$1,272,963.23	\$932,529.09	\$1,109,709.62
2047	Desmontar bajo de aire para corregir fuga		UND	1	\$1,572,057.00	\$298,690.83	\$1,870,747.83	\$3,020,734.00	\$573,939.46	\$3,594,673.46	\$1,341,905.04	\$254,961.96	\$1,596,867.00	\$1,978,232.01	\$2,354,096.10
2048	Desmonte pera bajo para cambio		UND	1	\$370,011.00	\$70,302.09	\$440,313.09	\$246,561.84	\$46,846.75	\$293,408.59	\$217,514.00	\$51,587.66	\$323,101.66	\$296,028.95	\$352,274.45
2049	Desmontar y montar bajo de aire para cambio de diafragma		UND	1	\$1,025,711.00	\$194,885.09	\$1,220,596.09	\$571,843.80	\$108,650.32	\$680,494.12	\$699,918.00	\$132,984.42	\$832,902.42	\$765,824.27	\$911,330.88
2050	Cambio de bujes y pasadores parte trasera del volco		UND	1	\$647,593.20	\$123,042.71	\$770,635.91	\$1,277,739.00	\$242,770.41	\$1,520,509.41	\$1,721,024.00	\$136,994.56	\$858,018.56	\$882,118.73	\$1,049,721.29
2051	Bajar bomba de volco para cambio de piñones		UND	1	\$1,250,195.00	\$237,537.05	\$1,487,732.05	\$969,228.00	\$184,153.32	\$1,153,381.32	\$679,150.44	\$129,038.58	\$808,189.02	\$966,191.15	\$1,149,767.46
2052	Desmontar y montar bomba volco para cambio de empaquetadura		UND	1	\$8,808,416.00	\$1,673,599.04	\$10,482,015.04	\$5,351,991.00	\$1,016,878.29	\$6,368,869.29	\$4,235,862.60	\$804,813.89	\$5,040,676.49	\$6,132,089.87	\$7,297,186.94
2053	Cambio buje inferior botella volco		UND	1	\$1,289,948.00	\$245,090.12	\$1,535,038.12	\$1,247,036.00	\$236,936.84	\$1,483,972.84	\$856,291.32	\$162,695.35	\$1,018,986.67	\$1,131,091.67	\$1,345,999.21
2054	Desmonte bomba de alce para corregir fuga		UND	1	\$1,475,533.00	\$280,351.27	\$1,755,884.27	\$1,614,931.00	\$306,836.89	\$1,921,767.89	\$1,042,394.40	\$198,054.94	\$1,240,449.34	\$1,377,619.47	\$1,639,367.17
2055	Corrección fugas de aire sistema levantamiento del volco		UND	1	\$1,295,937.00	\$246,228.03	\$1,542,165.03	\$754,246.00	\$143,306.74	\$897,552.74	\$572,663.88	\$108,806.14	\$681,470.02	\$874,282.29	\$1,040,395.93
2056	Desmontar y montar botella telescópica volco para cambio de empaquetadura		UND	1	\$2,122,058.52	\$403,191.12	\$2,525,249.64	\$2,744,042.00	\$521,367.88	\$3,265,409.88	\$4,295,768.00	\$816,195.92	\$5,111,963.92	\$3,053,956.17	\$3,634,207.85
2057	Cambio de bujes botella volco		UND	1	\$1,720,760.00	\$326,944.40	\$2,047,704.40	\$841,624.92	\$159,908.73	\$1,001,533.65	\$1,081,956.00	\$205,571.64	\$1,287,527.64	\$1,214,780.31	\$1,445,588.56
2058	Desmontar y montar bomba hidraulica volco		UND	1	\$828,468.00	\$157,408.92	\$985,876.92	\$1,009,165.00	\$191,741.35	\$1,200,906.35	\$678,810.30	\$128,973.96	\$807,784.26	\$838,814.43	\$998,189.18
2059	Soldada de protector de stop parte trasera volco		UND	1	\$852,613.00	\$161,996.47	\$1,014,609.47	\$1,258,598.00	\$239,133.62	\$1,497,731.62	\$696,743.64	\$132,381.29	\$829,124.93	\$935,984.88	\$1,113,822.01
2060	Cambio válvula control volco		UND	1	\$1,156,145.00	\$219,667.55	\$1,375,812.55	\$855,185.76	\$162,485.29	\$1,017,671.05	\$2,289,472.00	\$434,999.68	\$2,724,471.68	\$1,433,600.92	\$1,705,985.09
2061	Desmonte pera de alce del volco para cambio		UND	1	\$412,281.36	\$78,333.46	\$490,614.82	\$616,606.00	\$117,155.14	\$733,761.14	\$926,863.00	\$176,103.97	\$1,102,966.97	\$651,916.79	\$775,780.98
2062	Desmonte valvulas de control de elevacion del volco para cambio		UND	1	\$2,114,913.00	\$401,833.47	\$2,516,746.47	\$1,366,207.00	\$259,579.33	\$1,625,786.33	\$927,980.28	\$176,316.25	\$1,104,296.53	\$1,469,700.09	\$1,748,943.11
2063	Enderezar barra de dirección		UND	1	\$1,395,536.00	\$265,151.84	\$1,660,687.84	\$1,650,202.00	\$313,538.38	\$1,963,740.38	\$1,247,266.08	\$236,980.56	\$1,484,246.64	\$1,431,001.36	\$1,702,891.62
2064	Desmontar y montar barra de dirección		UND	1	\$1,150,683.00	\$218,629.77	\$1,369,312.77	\$494,868.60	\$94,025.03	\$588,893.63	\$622,835.00	\$118,338.65	\$741,173.65	\$756,128.87	\$899,793.35
2065	partes en mal estado		GLOBAL	1	\$5,739,258.24	\$1,090,459.07	\$6,829,717.31	\$6,479,837.00	\$1,231,169.03	\$7,711,006.03	\$12,260,929.00	\$2,329,576.51	\$14,590,505.51	\$8,160,008.08	\$9,710,409.62
2066	Desmontar y montar bomba dirección		UND	1	\$1,637,874.00	\$311,196.06	\$1,949,070.06	\$781,336.44	\$148,453.92	\$929,790.36	\$1,087,392.00	\$206,604.48	\$1,293,996.48	\$1,168,867.48	\$1,390,952.30
2067	Bajada sinfin de la direccion para cambio de crucetas y yokes		UND	1	\$546,986.52	\$103,927.44	\$650,913.96	\$1,280,126.00	\$243,223.94	\$1,523,349.94	\$691,806.00	\$131,443.14	\$823,249.14	\$839,639.51	\$999,171.01
2068	Desmonte caña direccion para cambio dados y cambio guardapolvo		UND	1	\$895,482.00	\$170,141.58	\$1,065,623.58	\$569,516.40	\$108,208.12	\$677,724.52	\$774,796.00	\$147,211.24	\$922,007.24	\$746,598.13	\$888,451.78
2069	Cambio de switch control direccional y parqueo		UND	1	\$544,950.00	\$103,540.50	\$648,490.50	\$793,771.00	\$150,816.49	\$944,587.49	\$1,176,738.00	\$223,580.22	\$1,400,318.22	\$838,486.33	\$997,798.74
2070	Cambiar mangueras caja de direccion		UND	1	\$999,653.00	\$189,934.07	\$1,189,587.07	\$478,667.52	\$90,946.83	\$569,614.35	\$626,215.00	\$118,980.85	\$745,195.85	\$701,511.84	\$834,799.09
2071	Repracion general bomba de direccion		UND	1	\$8,599,350.00	\$1,633,876.50	\$10,233,226.50	\$3,838,277.16	\$729,272.66	\$4,567,549.82	\$4,821,119.00	\$916,012.61	\$5,737,131.61	\$5,752,915.39	\$6,845,969.31
2072	Desmontar y montar terminales de dirección (un solo lado)		UND	1	\$680,705.00	\$129,333.95	\$810,038.95	\$1,329,380.00	\$252,582.20	\$1,581,962.20	\$521,087.76	\$99,006.67	\$620,094.43	\$843,724.25	\$1,004,031.86
2073	Cambio barra terminal corta		UND	1	\$1,556,468.00	\$295,728.92	\$1,852,196.92	\$729,594.72	\$138,623.00	\$868,217.72	\$975,808.00	\$185,403.52	\$1,161,211.52	\$1,087,290.24	\$1,293,875.39
2074	Cambio de soporte a la barra estabilizadora		UND	1	\$1,067,446.00	\$202,814.74	\$1,270,260.74	\$599,104.00	\$113,829.76	\$712,933.76	\$590,573.16	\$112,208.90	\$702,782.06	\$752,374.39	\$895,325.52
2075	Servicio de scanner		UND	1	\$1,368,235.00	\$259,964.65	\$1,628,199.65	\$770,947.00	\$146,479.93	\$917,426.93	\$536,157.90	\$101,870.00	\$638,027.90	\$891,779.97	\$1,061,218.16
2076	partes afectadas		GLOBAL	1	\$405,320.04	\$77,010.81	\$482,330.85	\$809,895.00	\$153,842.05	\$963,537.05	\$432,678.00	\$82,208.82	\$514,886.82	\$549,231.01	\$653,

ÍTEM	MOTONIVELADORA CATERPILLAR 120 K	UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION													
2087	Desmontar cardan para cambio de balinera y caucho	UND	1	\$571,866.00	\$108,654.54	\$680,520.54	\$578,785.00	\$109,969.15	\$688,754.15	\$440,633.52	\$83,720.37	\$524,353.89	\$530,428.17	\$631,209.53
2088	Bajar tanque del hidraulico para lavado	UND	1	\$523,481.76	\$99,461.53	\$622,943.29	\$807,321.00	\$153,390.99	\$960,711.99	\$620,585.00	\$117,911.15	\$738,496.15	\$650,462.59	\$774,050.48
2089	Sondear radiador e intercoller	UND	1	\$684,643.00	\$130,082.17	\$814,725.17	\$1,071,556.00	\$203,595.64	\$1,275,151.64	\$516,467.52	\$98,128.83	\$614,596.35	\$757,555.51	\$901,491.05
2090	Cambio empaquetadura enfriador de aceite	UND	1	\$885,896.00	\$168,320.24	\$1,054,216.24	\$646,599.96	\$122,853.99	\$769,453.95	\$1,481,726.00	\$281,527.94	\$1,763,253.94	\$1,004,740.65	\$1,195,641.38
2091	Cambio juego de bandas delanteras (un solo lado)	UND	1	\$920,377.00	\$174,871.63	\$1,095,248.63	\$731,534.04	\$138,991.47	\$870,525.51	\$1,312,614.00	\$249,396.66	\$1,562,010.66	\$988,175.01	\$1,175,928.27
2092	Instalación de porta fusible	UND	1	\$64,045.08	\$12,168.57	\$76,213.65	\$70,100.00	\$13,319.00	\$83,419.00	\$71,709.00	\$13,624.71	\$85,333.71	\$68,618.03	\$81,655.45
2093	Soldar bornes de batería	UND	1	\$63,695.52	\$12,102.15	\$75,797.67	\$66,892.00	\$12,709.48	\$79,601.48	\$98,853.00	\$18,782.07	\$117,635.07	\$76,480.17	\$91,011.41
2094	Cambio punta cardan	UND	1	\$684,554.76	\$130,065.40	\$814,620.16	\$1,001,729.00	\$190,328.51	\$1,192,057.51	\$754,353.00	\$143,327.07	\$897,680.07	\$813,545.59	\$968,119.25
2095	Reparacion general de Turbo incluido partes en mal estado	GLOBAL	1	\$9,080,221.00	\$1,725,241.99	\$10,805,462.99	\$5,391,111.00	\$1,024,311.09	\$6,415,422.09	\$4,070,507.76	\$773,396.47	\$4,843,904.23	\$6,180,613.25	\$7,354,929.77
2096	Cambio guaya de clutch	UND	1	\$531,773.00	\$101,036.87	\$632,809.87	\$468,314.28	\$88,979.71	\$557,293.99	\$735,421.00	\$139,729.99	\$875,150.99	\$578,502.76	\$688,418.28
2097	Cambio de switch de encendido tablero	UND	1	\$480,531.00	\$91,300.89	\$571,831.89	\$540,934.00	\$102,777.46	\$643,711.46	\$372,630.60	\$70,799.81	\$443,430.41	\$464,698.53	\$552,991.25
2098	Reparacion de chapas puertas (un lado)	UND	1	\$932,152.00	\$177,108.88	\$1,109,260.88	\$643,054.32	\$122,180.32	\$765,234.64	\$1,429,656.00	\$271,634.64	\$1,701,290.64	\$1,001,620.77	\$1,191,928.72
2099	Reparacion de manija externa puerta (un lado)	UND	1	\$1,083,722.00	\$205,907.18	\$1,289,629.18	\$517,473.36	\$98,319.94	\$615,793.30	\$695,621.00	\$132,167.99	\$827,788.99	\$765,605.45	\$911,070.49
2100	Arreglo seguros puertas	UND	1	\$669,001.00	\$108,110.19	\$777,111.19	\$938,357.00	\$178,287.83	\$1,116,644.83	\$473,592.96	\$89,982.66	\$563,575.62	\$660,316.99	\$785,777.21
2101	Arreglo cremallera eleva vidrios	UND	1	\$651,703.32	\$123,823.63	\$775,526.95	\$1,456,543.00	\$276,743.17	\$1,733,286.17	\$963,175.00	\$183,003.25	\$1,146,178.25	\$1,023,807.11	\$1,218,330.46
2102	Desmontar y montar vidrio puerta cabian (un lado)	UND	1	\$386,246.52	\$73,386.84	\$459,633.36	\$565,509.00	\$107,446.71	\$672,955.71	\$509,649.00	\$96,833.31	\$606,482.31	\$487,134.84	\$579,690.46
2103	Desmontar tablero millare para reparacion general	UND	1	\$431,646.48	\$82,012.83	\$513,659.31	\$620,874.00	\$117,966.06	\$738,840.06	\$176,959.00	\$136,222.21	\$853,181.21	\$589,826.49	\$701,893.53
2104	Calibrar pedal de embrague	UND	1	\$163,552.32	\$31,074.94	\$194,627.26	\$165,899.00	\$31,520.81	\$197,419.81	\$198,967.00	\$37,784.73	\$236,651.73	\$176,106.11	\$209,566.27
2105	Cambio válvula control de la compuerta	UND	1	\$1,318,584.00	\$250,530.96	\$1,569,114.96	\$492,680.16	\$93,690.23	\$586,289.39	\$672,845.00	\$127,840.55	\$800,685.55	\$828,036.39	\$985,363.30
2106	Cambio válvula acople rápido	UND	1	\$653,913.00	\$124,243.47	\$778,156.47	\$495,584.64	\$94,161.08	\$589,745.72	\$948,362.00	\$180,188.78	\$1,128,550.78	\$699,286.55	\$832,150.99
2107	Cambio cauchos barra estabilizadora	UND	1	\$359,375.76	\$68,281.39	\$427,657.15	\$631,015.00	\$119,892.85	\$750,907.85	\$423,891.00	\$80,539.29	\$504,430.29	\$471,427.25	\$560,998.43
2108	cambio Abrazaderas de sujecion barra estabilizadora	UND	1	\$110,223.72	\$20,942.51	\$131,166.23	\$147,417.00	\$28,009.23	\$175,426.23	\$252,231.00	\$47,923.89	\$300,154.89	\$169,957.24	\$202,249.12
2109	Reparacion motor limpia brisas	UND	1	\$763,541.00	\$145,072.79	\$908,613.79	\$872,959.00	\$165,862.46	\$1,038,821.21	\$606,972.24	\$115,324.73	\$722,296.97	\$747,824.08	\$889,910.66
2110	Desmontar y montar pedal del acelerador	UND	1	\$625,211.00	\$118,790.09	\$744,001.09	\$553,997.16	\$106,259.46	\$659,256.62	\$845,731.00	\$160,688.89	\$1,006,419.89	\$674,979.72	\$803,225.87
2111	Repracion general sensor pedal del acelerador	UND	1	\$782,045.00	\$148,588.55	\$930,633.55	\$1,056,281.00	\$200,693.39	\$1,256,974.39	\$637,058.16	\$121,041.05	\$758,099.21	\$825,128.05	\$981,902.38
2112	Reparacion general bomba hidraulica	GLOBAL	1	\$2,969,560.00	\$564,216.40	\$3,533,776.40	\$5,297,079.00	\$1,006,445.01	\$6,303,524.01	\$2,615,671.50	\$496,977.59	\$3,112,649.09	\$3,627,436.83	\$4,316,649.83
2113	Cambio sensor de velocidad	UND	1	\$772,138.00	\$146,706.22	\$918,844.22	\$1,253,520.00	\$238,168.80	\$1,491,688.80	\$533,294.64	\$101,325.98	\$634,620.62	\$852,984.21	\$1,015,051.21
2114	Mantenimiento línea de combustible	UND	1	\$1,921,954.00	\$365,171.26	\$2,287,125.26	\$784,110.24	\$148,980.95	\$933,091.19	\$983,667.00	\$186,896.73	\$1,170,563.73	\$1,229,910.41	\$1,463,593.39
2115	Desmontar y montar turbo	UND	1	\$1,378,170.00	\$261,852.30	\$1,640,022.30	\$2,200,849.00	\$418,161.31	\$2,619,010.31	\$947,606.40	\$180,045.22	\$1,127,651.62	\$1,508,875.13	\$1,795,561.41
2116	partes en mal estado	GLOBAL	1	\$1,463,912.00	\$1,742,055.28	\$3,205,967.28	\$1,203,323.76	\$228,631.51	\$1,431,955.27	\$2,209,831.00	\$419,867.89	\$2,629,698.89	\$1,625,688.92	\$1,934,569.81
2117	Cambio válvula de alivio tanque de aire	UND	1	\$765,699.00	\$145,482.81	\$911,181.81	\$566,475.00	\$107,630.25	\$674,105.25	\$402,854.40	\$76,542.34	\$479,396.74	\$578,342.80	\$688,227.93
2118	Desmontar Coupling	UND	1	\$613,965.24	\$116,653.40	\$730,618.64	\$1,046,512.00	\$198,837.28	\$1,245,349.28	\$803,942.00	\$152,748.98	\$956,690.98	\$821,473.08	\$977,552.97
2119	Desmontar y montar radiador e intercoller	UND	1	\$928,445.00	\$176,404.55	\$1,104,849.55	\$1,179,909.00	\$224,182.71	\$1,404,091.71	\$847,502.64	\$161,025.50	\$1,008,528.14	\$985,285.55	\$1,172,489.80
2120	Desmontar y montar bomba de agua para reparacion	UND	1	\$873,244.08	\$165,916.38	\$1,039,160.46	\$1,391,546.00	\$264,393.74	\$1,655,939.74	\$1,120,793.00	\$212,950.67	\$1,333,743.67	\$1,128,527.69	\$1,342,947.96
2121	Cambio de correa bomba de agua	UND	1	\$102,432.00	\$19,462.08	\$121,894.08	\$82,565.28	\$15,687.40	\$98,252.68	\$186,592.00	\$35,452.48	\$222,044.48	\$123,863.09	\$147,397.08
2122	Embutir polea de dâmpner	UND	1	\$998,835.84	\$189,778.81	\$1,188,614.65	\$1,000,529.00	\$190,100.51	\$1,190,629.51	\$1,641,649.00	\$311,913.31	\$1,953,562.31	\$1,213,671.28	\$1,444,268.82
2123	Cambio de retenedor delantero cigüeñal	UND	1	\$465,227.28	\$88,393.18	\$553,620.46	\$829,844.00	\$157,670.36	\$987,514.36	\$650,438.00	\$123,583.22	\$774,021.22	\$648,503.09	\$771,718.68
2124	Cambio de bornes batería	UND	1	\$160,862.00	\$30,563.78	\$191,425.78	\$90,977.00	\$17,285.63	\$108,262.63	\$84,418.92	\$16,039.59	\$100,458.51	\$112,085.97	\$133,382.31
2125	Desmontar y montar cabrilla para reparacion y forrado	UND	1	\$331,097.40	\$62,908.51	\$394,005.91	\$413,055.00	\$78,480.45	\$491,535.45	\$490,018.00	\$93,103.42	\$583,121.42	\$411,390.13	\$489,554.26
2126	Alineacion	UND	1	\$237,820.00	\$45,185.80	\$283,005.80	\$182,871.00	\$34,745.49	\$217,616.49	\$214,748.00	\$40,802.12	\$255,550.12	\$211,813.00	\$252,057.47
2127	Arreglo de chapa puerta	UND	1	\$677,980.00	\$128,816.20	\$806,796.20	\$780,996.00	\$148,389.24	\$929,385.24	\$556,409.52	\$105,717.81	\$662,127.33	\$671,795.17	\$799,436.26
2128	Cambio stop traseros	UND	1	\$701,973.00	\$133,374.87	\$835,347.87	\$544,666.32	\$103,486.60	\$648,152.92	\$1,118,903.00	\$212,591.57	\$1,331,494.57	\$788,514.11	\$938,331.79
2129	Revision luces en general	UND	1	\$1,678,585.00	\$318,931.15	\$1,997,516.15	\$1,277,456.76	\$242,716.78	\$1,520,173.54	\$2,443,809.00	\$464,323.71	\$2,908,132.71	\$1,799,950.25	\$2,141,940.80
2130	Desmante de millare para correccion de fugas de aire cabina	UND	1	\$659,419.00	\$125,289.61	\$784,708.61	\$619,119.00	\$117,632.61	\$736,751.61	\$516,911.76	\$98,213.23	\$615,124.99	\$598,483.25	\$712,195.07
2131	Cambio de stopos traseros	UND	1	\$802,500.00	\$152,475.00	\$954,975.00	\$671,965.00	\$127,677.15	\$799,662.15	\$574,831.08	\$109,217.91	\$684,048.99	\$683,105.36	\$812,895.38
2132	Arreglo de instalacion delantera	UND	1	\$347,652.72	\$66,054.02	\$413,706.74	\$451,487.00	\$85,782.53	\$537,269.53	\$455,406.00	\$64,004.54	\$520,004.54	\$418,201.91	\$497,660.27
2133	Cambio disyuntores luces unidades	UND	1	\$288,603.00	\$54,834.57	\$343,437.57	\$210,155.76	\$39,929.59	\$250,085.35	\$231,521.00	\$43,988.99	\$275,509.99	\$243,426.59	\$289,677.64
2134	Servicio de scanner	UND	1	\$714,434.00	\$135,742.46	\$850,176.46	\$1,096,384.00	\$208,312.96	\$1,304,696.96	\$544,566.00	\$103,467.54	\$648,033.54	\$785,128.00	\$934,302.32
2135	Cambio de sensores sistema de inyeccion (temperatura, presion y peras)	UND	1	\$1,202,652.00	\$228,503.88	\$1,431,155.88	\$1,019,937.00	\$193,788.03	\$1,213,725.03	\$704,305.80	\$133,818.10	\$838,123.90	\$975,631.60	\$1,161,001.60
2136	Cambio pera temperatura refrigerante	UND	1	\$1,167,678.00	\$221,858.82	\$1,389,536.82	\$575,597.52	\$109,363.53	\$684,961.05	\$728,383.00	\$138,392.77	\$866,775.77	\$823,886.17	\$980,424.55
2137	Arreglo de luces traseras y delanteras	UND	1	\$1,210,464.00	\$229,988.16	\$1,440,452.16	\$572,645.88	\$108,802.72	\$681,448.60	\$607,769.00	\$115,476.11	\$723,245.11	\$796,959.63	\$948,381.96
2138	Extraccion de esparragos al bocin	UND	1	\$1,133,419.00	\$215,349.61	\$1,348,768.61	\$1,025,255.00	\$194,798.45	\$1,220,053.45	\$1,013,751.36	\$192,612.76	\$1,206,364.12	\$1,057,475.12	\$1,258,395.39
2139	Desmante barra estabilizadora	UND	1	\$1,343,194.00	\$255,206.86	\$1,598,400.86	\$467,111.52	\$88,751.19	\$555,862.71	\$696,002.00	\$132,240.38	\$828,242.38	\$835,435.84	\$994,168.65
2140	Desmontar y montar soporte de tanques	UND	1	\$484,122.96	\$91,983.36	\$576,106.32	\$636,986.00	\$121,027.34	\$758,013.34	\$1,097,610.00	\$208,545.90	\$1,306,155.90	\$739,572.99	\$880,091.85
2141	Desmontar y montar valvula PP1	UND	1	\$535,831.00	\$101,807.89	\$637,638.89	\$564,477.00	\$107,250.63	\$671,727.63	\$475,507.44	\$90,346.41	\$565,853.85	\$525,271.81	\$625,073.46
2142	Cambio valvula corneta	UND	1	\$502,403.40	\$95,456.65	\$597,860.05	\$507,598.00	\$96,404.62	\$604,002.62	\$798,001.00	\$151,620.19	\$949,621.19	\$717,174.29	\$848,331.96
2143	Cambio buje muelle trasero	UND	1	\$1,146,871.00	\$217,905.49	\$1,364,776.49	\$744,964.00	\$141,543.16	\$886,507.16	\$555,405.56	\$105,527.25	\$660,933.81	\$815,747.19	\$970,739.15

ÍTEM	MOTONIVELADORA CATERPILLAR 120 K				UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS						VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION																
2146	Bajar enfriador de aceite para cambiar y suministro empaques				UND	1	\$1,565,547.00	\$297,453.93	\$1,863,000.93	\$963,855.00	\$183,132.45	\$1,146,987.45	\$783,923.40	\$148,945.45	\$932,868.85	\$1,104,441.80	\$1,314,285.74
2147	Cambio termostato				UND	1	\$278,266.32	\$52,870.60	\$331,136.92	\$294,939.00	\$56,038.41	\$350,977.41	\$576,377.00	\$109,511.63	\$685,888.63	\$383,194.11	\$456,000.99
2148	Desmontar y montar capot delantero				UND	1	\$293,244.00	\$55,716.36	\$348,960.36	\$442,870.00	\$84,145.30	\$527,015.30	\$275,568.48	\$52,358.01	\$327,926.49	\$337,227.49	\$401,300.72
2149	Desmonte valvula relay para cambio				UND	1	\$741,302.00	\$140,847.38	\$882,149.38	\$1,086,241.00	\$206,385.79	\$1,292,626.79	\$717,622.56	\$136,348.29	\$853,970.85	\$848,388.52	\$1,009,582.34
2150	Desmontar y montar de tanque de combustible mantenimiento				UND	1	\$740,514.96	\$140,697.84	\$881,212.80	\$792,563.00	\$150,586.97	\$943,149.97	\$1,155,308.00	\$219,508.52	\$1,374,816.52	\$896,128.65	\$1,066,393.10
2151	Soldada del herraje del espaldar y asiento				UND	1	\$897,980.00	\$170,616.20	\$1,068,596.20	\$1,321,556.00	\$251,095.64	\$1,572,651.64	\$652,464.00	\$123,968.16	\$776,432.16	\$957,333.33	\$1,139,226.67
2152	Tapizada de espaldar y asiento en cuerina gris y abollanada				UND	1	\$836,652.96	\$158,964.06	\$995,617.02	\$1,530,152.00	\$290,728.88	\$1,820,880.88	\$1,175,480.00	\$223,341.20	\$1,398,821.20	\$1,180,761.65	\$1,405,106.37
2153	abrazaderas exosto				UND	1	\$1,163,222.00	\$221,012.18	\$1,384,234.18	\$900,624.96	\$171,118.74	\$1,071,743.70	\$1,454,876.00	\$276,426.44	\$1,731,302.44	\$1,172,907.65	\$1,395,760.11
2154	Desmontar fanclutch y ventilado				UND	1	\$988,620.00	\$187,837.80	\$1,176,457.80	\$848,786.04	\$161,269.35	\$1,010,055.39	\$1,932,661.00	\$367,205.59	\$2,299,866.59	\$1,256,689.01	\$1,495,459.93
2155	cambio de partes en mal estido				GLOBAL	1	\$856,249.80	\$162,687.46	\$1,018,937.26	\$2,435,942.00	\$462,828.98	\$2,898,770.98	\$1,232,212.00	\$234,120.28	\$1,466,332.28	\$1,508,134.60	\$1,794,680.17
2156	Desmonte eje trasero trasero para cambio empaque (un lado)				UND	1	\$783,172.00	\$148,802.68	\$931,974.68	\$1,113,224.00	\$211,512.56	\$1,324,736.56	\$657,222.12	\$124,872.20	\$782,094.32	\$851,206.04	\$1,012,935.19
2157	Mantenimiento sistema de combustible sistema de alimentacion				UND	1	\$1,496,808.00	\$284,393.52	\$1,781,201.52	\$786,489.84	\$149,433.07	\$935,922.91	\$889,984.00	\$169,096.96	\$1,059,080.96	\$1,057,760.61	\$1,258,735.13
2158	Cambio de grapa y requintada de muelles (un solo lado)				UND	1	\$981,672.00	\$186,517.68	\$1,168,189.68	\$762,147.00	\$144,807.93	\$906,954.93	\$637,082.64	\$121,045.70	\$758,128.34	\$793,633.88	\$944,424.32
2159	Arreglo de luces traseras				UND	1	\$999,743.00	\$189,951.17	\$1,189,694.17	\$976,951.00	\$185,620.69	\$1,162,571.69	\$718,537.32	\$136,522.09	\$855,059.41	\$898,410.44	\$1,069,108.42
2160	Instalacion de baterias				UND	1	\$344,923.00	\$65,535.37	\$410,458.37	\$143,943.48	\$27,349.26	\$171,292.74	\$189,089.00	\$35,926.91	\$225,015.91	\$225,985.16	\$268,922.34
2161	Cambio bujes capot				UND	1	\$861,703.00	\$163,723.57	\$1,025,426.57	\$505,832.04	\$96,108.09	\$601,940.13	\$658,867.00	\$125,184.73	\$784,051.73	\$675,467.35	\$803,806.14
2162	Cambio de manguera suministro de tanques				UND	1	\$1,164,204.00	\$221,198.76	\$1,385,402.76	\$662,815.08	\$125,934.87	\$788,749.95	\$912,109.00	\$173,300.71	\$1,085,409.71	\$913,042.69	\$1,086,520.81
2163	Cambio retenedor trasero cigüeñal				UND	1	\$768,708.00	\$146,054.52	\$914,762.52	\$731,366.64	\$138,959.66	\$870,326.30	\$732,112.00	\$139,101.28	\$871,213.28	\$744,062.21	\$885,434.03
2164	Enderezada de barra tensora				UND	1	\$910,558.08	\$173,006.04	\$1,083,564.12	\$1,402,375.00	\$266,451.25	\$1,668,826.25	\$981,028.00	\$186,395.32	\$1,167,423.32	\$1,097,987.03	\$1,306,604.56
2165	Desmontar y montar exosto				UND	1	\$737,538.48	\$140,132.31	\$877,670.79	\$930,621.00	\$176,817.99	\$1,107,438.99	\$1,004,527.00	\$190,860.13	\$1,195,387.13	\$890,895.49	\$1,060,165.64
2166	Desmontar base radiador para reconstruir y soldar				UND	1	\$1,221,769.44	\$232,136.19	\$1,453,905.63	\$1,505,578.00	\$286,059.82	\$1,791,637.82	\$2,147,114.00	\$407,951.66	\$2,555,065.66	\$1,624,820.48	\$1,933,536.37
2167	Cambio de la línea de combustible y mantenimiento a base de filtros				UND	1	\$1,495,842.00	\$284,209.98	\$1,780,051.98	\$986,706.00	\$187,474.14	\$1,174,180.14	\$143,965.99	\$901,681.75	\$1,080,087.92	\$1,285,304.62	\$1,496,469.44
2168	Arreglo de cremallera puerta				UND	1	\$1,987,326.00	\$377,591.94	\$2,364,917.94	\$1,213,140.00	\$230,496.60	\$1,443,636.60	\$1,138,978.08	\$216,405.84	\$1,355,383.92	\$1,446,481.36	\$1,721,312.82
2169	Bajar regulador del sistema de inyeccion para mantenimiento y calibrado				UND	1	\$984,848.00	\$187,121.12	\$1,171,969.12	\$888,518.88	\$168,818.59	\$1,057,337.47	\$1,570,654.00	\$298,424.26	\$1,869,078.26	\$1,148,006.96	\$1,366,128.28
2170	pintura pieza pequeña				UND	1	\$1,544,520.00	\$293,458.80	\$1,837,978.80	\$1,048,512.60	\$199,217.39	\$1,247,729.99	\$1,355,459.00	\$257,537.21	\$1,612,996.21	\$1,316,163.87	\$1,566,235.00
2171	pintura pieza grande				UND	1	\$1,081,884.00	\$205,557.96	\$1,287,441.96	\$1,281,552.00	\$243,494.88	\$1,525,046.88	\$762,557.40	\$144,885.91	\$907,443.31	\$1,041,997.80	\$1,239,977.38
2172	instalacion manometro				UND	1	\$706,084.00	\$134,155.96	\$840,239.96	\$472,127.04	\$89,704.14	\$561,831.18	\$1,351,980.00	\$256,876.20	\$1,608,856.20	\$843,397.01	\$1,003,642.45
2173	revision sistema odometro				UND	1	\$659,289.00	\$125,264.91	\$784,553.91	\$479,128.32	\$91,034.38	\$570,162.70	\$624,337.00	\$118,624.03	\$742,961.03	\$587,584.77	\$699,225.88
2174	cepillada y rectificada volante				UND	1	\$928,263.00	\$176,369.97	\$1,104,632.97	\$1,278,658.00	\$242,945.02	\$1,521,603.02	\$844,985.16	\$160,547.18	\$1,005,532.34	\$1,017,302.05	\$1,210,589.44
2175	Servicio de grua en camabaja incluido cabezote precio por kilometros				UND	1	\$53,684.28	\$10,200.01	\$63,884.29	\$124,902.00	\$23,731.38	\$148,633.38	\$82,890.64	\$13,234.64	\$96,125.28	\$82,747.43	\$98,469.44
2176	D/M ARNES				UND	1	\$3,195,099.00	\$607,068.81	\$3,802,167.81	\$1,840,224.00	\$349,642.56	\$2,189,866.56	\$1,250,320.00	\$237,560.80	\$1,487,880.80	\$2,095,214.33	\$2,493,305.06
2177	REPARACION CORTO ARNES				UND	1	\$1,748,535.00	\$332,221.65	\$2,080,756.65	\$1,222,199.00	\$232,217.81	\$1,454,416.81	\$899,780.00	\$170,958.20	\$1,070,738.20	\$2,091,171.33	\$1,535,303.89
2178	D/M COMPUTADOR				UND	1	\$890,780.00	\$169,248.20	\$1,060,028.20	\$1,923,633.00	\$365,490.27	\$2,289,123.27	\$1,254,486.00	\$238,352.34	\$1,492,838.34	\$1,356,299.67	\$1,613,996.60
2179	SERVICIO PROGRAMACION COMPUTADOR				UND	1	\$2,690,674.00	\$511,228.06	\$3,201,902.06	\$1,550,320.00	\$294,560.80	\$1,844,880.80	\$1,778,480.00	\$337,911.20	\$2,116,391.20	\$2,006,491.33	\$2,387,724.69
2180	REPARACION HOUSIN TRASERO				UND	1	\$12,483,759.00	\$2,371,914.21	\$14,855,673.21	\$7,564,858.00	\$1,437,323.02	\$9,002,181.02	\$10,415,299.00	\$1,978,906.81	\$12,394,205.81	\$10,154,638.67	\$12,084,020.01
	CAMABAJA HINO																
	REPUESTOS																
	DESCRIPCION				UNIDAD	CANT											
2181	Filtro aire externo				UND	1	\$606,284.00	\$115,193.96	\$721,477.96	\$992,592.00	\$188,592.48	\$1,181,184.48	\$480,433.28	\$91,282.32	\$571,715.60	\$693,103.09	\$824,792.68
2182	Filtro aire interno				UND	1	\$838,748.00	\$159,362.12	\$998,110.12	\$475,457.00	\$90,336.83	\$565,793.83	\$385,203.20	\$73,188.61	\$458,391.81	\$566,469.40	\$674,098.59
2183	Filtro de aceite				UND	1	\$728,770.00	\$138,466.30	\$867,236.30	\$413,242.16	\$78,516.01	\$491,758.17	\$431,721.00	\$82,026.99	\$513,747.99	\$524,577.72	\$624,247.49
2184	Filtro de combustible				UND	1	\$743,425.00	\$141,250.75	\$884,675.75	\$656,833.00	\$124,798.27	\$781,631.27	\$443,647.93	\$84,293.11	\$527,941.04	\$614,635.31	\$731,416.02
2185	Filtro de combustible separador				UND	1	\$812,044.00	\$154,288.36	\$966,332.36	\$489,998.00	\$93,099.62	\$583,097.62	\$482,938.60	\$91,758.33	\$574,696.93	\$594,993.53	\$708,042.30
2186	s2340-11580 Filtro petroleo				UND	1	\$725,908.00	\$137,922.52	\$863,830.52	\$502,291.53	\$95,435.39	\$597,726.92	\$1,178,960.00	\$224,002.40	\$1,402,962.40	\$802,386.51	\$954,839.95
2187	Filtro separador racor 4400R30				UND	1	\$589,074.12	\$111,924.08	\$700,998.20	\$709,207.00	\$134,749.33	\$843,956.33	\$602,910.00	\$114,552.90	\$717,462.90	\$633,730.37	\$754,139.14
2188	R61691P Filtro elemento racor				UND	1	\$954,889.00	\$181,428.91	\$1,136,317.91	\$535,474.40	\$101,740.14	\$637,214.54	\$598,440.00	\$113,703.60	\$712,143.60	\$696,267.80	\$826,558.68
2189	Empaque tapa valvulas				UND	1	\$1,386,571.00	\$263,448.49	\$1,650,019.49	\$1,166,450.00	\$221,625.50	\$1,388,075.50	\$829,469.70	\$157,599.24	\$987,068.94	\$1,127,496.90	\$1,341,721.31
2190	Biela motor				UND	1	\$1,322,615.00	\$251,296.85	\$1,573,911.85	\$1,659,156.00	\$315,239.64	\$1,974,395.64	\$1,272,600.45	\$241,794.09	\$1,514,394.54	\$1,418,123.82	\$1,687,567.34
2191	Piston				UND	1	\$2,807,024.85	\$533,334.72	\$3,340,359.57	\$3,186,229.00	\$605,383.51	\$3,791,612.51	\$3,664,404.00	\$696,238.76	\$4,360,640.76	\$3,219,219.28	\$3,830,870.95
2192	Bomba de aceite motor				UND	1	\$5,247,280.00	\$996,983.20	\$6,244,263.20	\$5,879,875.00	\$1,117,176.25	\$6,997,051.25	\$5,097,245.40	\$968,476.63	\$6,065,722.03	\$5,408,133.47	\$6,435,678.83
2193	Kit de empaques valvula principal de freno				JUEGO	1	\$4,223,117.00	\$802,392.23	\$5,025,509.23	\$1,609,319.70	\$305,770.74	\$1,915,090.44	\$2,305,173.00	\$437,982.87	\$2,743,155.87	\$2,712,536.57	\$3,227,918.51
2194	Empaquetadura cilindro maestro embrague				UND	1	\$3,054,553.00	\$580,365.07	\$3,634,918.07	\$2,194,502.00	\$416,955.38	\$2,611,457.38	\$2,012,005.80	\$382,281.10	\$2,394,286.90	\$2,420,353.60	\$2,880,220.78
2195	Empaquetadura completa bomba auxiliar clutch				UND	1	\$2,535,194.00	\$481,686.86	\$3,016,880.86	\$1,203,832.35	\$228,728.15	\$1,432,560.50	\$1,546,517.00	\$293,838.23	\$1,840,355.23	\$1,761,847.78	\$2,096,598.86
2196	Empaquetadura completa bomba principal clutch				UND	1	\$2,432,539.00	\$462,182.41	\$2,894,721								

ITEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO			
	REPUESTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA		
	DESCRIPCION																
2202	Suavizador embrague original		UND	1	\$5,590,009.35	\$1,062,101.78	\$6,652,111.13	\$6,751,095.00	\$1,282,708.05	\$8,033,803.05	\$9,590,418.00	\$1,822,179.42	\$11,412,597.42	\$7,310,507.45	\$8,699,503.87		
2203	Reten trasero cigüeñal		UND	1	\$1,512,676.00	\$287,408.44	\$1,800,084.44	\$863,399.25	\$164,045.86	\$1,027,445.11	\$1,233,877.00	\$234,436.63	\$1,468,313.63	\$1,203,317.42	\$1,431,947.73		
2204	Reten poles cigüeñal		UND	1	\$761,260.50	\$144,639.50	\$905,900.00	\$1,548,719.00	\$294,256.61	\$1,842,975.61	\$827,376.00	\$157,201.44	\$984,577.44	\$1,045,785.17	\$1,244,484.35		
2205	Valvula de escape		UND	1	\$1,298,612.00	\$246,736.28	\$1,545,348.28	\$1,091,869.20	\$207,455.15	\$1,299,324.35	\$1,601,199.00	\$304,227.81	\$1,905,426.81	\$1,330,560.07	\$1,583,366.48		
2206	Valvula de admision		UND	1	\$2,410,600.00	\$458,014.00	\$2,868,614.00	\$1,638,370.35	\$311,290.37	\$1,949,660.72	\$2,519,941.00	\$478,788.79	\$2,998,729.79	\$2,189,637.12	\$2,605,668.17		
2207	Guías valvula de escape		UND	1	\$1,143,526.95	\$217,270.12	\$1,360,797.07	\$2,566,002.00	\$487,540.38	\$3,053,542.38	\$1,710,428.00	\$324,981.32	\$2,035,409.32	\$1,806,652.32	\$2,149,916.26		
2208	Guías valvula de admision		UND	1	\$2,787,277.95	\$529,582.81	\$3,316,860.76	\$3,124,207.00	\$593,599.33	\$3,717,806.33	\$5,194,857.00	\$987,022.83	\$6,181,879.83	\$3,702,113.98	\$4,405,515.64		
2209	Bujes eje de levas		UND	1	\$918,633.00	\$174,540.27	\$1,093,173.27	\$1,780,886.00	\$338,368.34	\$2,119,254.34	\$643,796.40	\$122,321.32	\$766,117.72	\$1,114,438.47	\$1,326,181.78		
2210	Asientos de valvula de admision		UND	1	\$1,310,684.00	\$249,029.96	\$1,559,713.96	\$1,350,647.00	\$256,622.93	\$1,607,269.93	\$932,872.68	\$177,245.81	\$1,110,118.49	\$1,198,067.89	\$1,425,700.79		
2211	Asientos de valvula de escape		UND	1	\$1,019,905.92	\$193,782.12	\$1,213,688.04	\$1,496,574.00	\$284,349.06	\$1,780,923.06	\$1,737,895.00	\$330,200.05	\$2,068,095.05	\$1,418,124.97	\$1,687,568.72		
2212	Camisa de cilindros estándar		UND	1	\$9,230,745.00	\$1,753,841.55	\$10,984,586.55	\$7,569,082.00	\$1,438,125.58	\$9,007,207.58	\$5,784,512.40	\$1,099,057.36	\$6,883,569.76	\$7,528,113.13	\$8,958,454.63		
2213	juego de anillos piston		JUEGO	1	\$6,547,410.00	\$1,244,007.90	\$7,791,417.90	\$7,778,143.00	\$1,477,847.17	\$9,255,990.17	\$11,527,786.00	\$2,190,279.34	\$13,718,065.34	\$8,617,779.67	\$10,255,157.80		
2214	Casquetes de biela		UND	1	\$1,096,099.20	\$208,258.85	\$1,304,358.05	\$1,873,782.00	\$356,018.58	\$2,229,800.58	\$1,428,604.00	\$271,434.76	\$1,700,038.76	\$1,466,161.73	\$1,744,732.46		
2215	Casquetes de bancada		UND	1	\$1,092,778.00	\$207,627.82	\$1,300,405.82	\$1,376,370.00	\$261,510.30	\$1,637,880.30	\$1,049,733.72	\$199,449.41	\$1,249,183.13	\$1,172,960.57	\$1,395,823.08		
2216	Media luna de ajuste axial cigüeñal		UND	1	\$2,470,604.00	\$469,414.76	\$2,940,018.76	\$1,286,019.00	\$244,343.61	\$1,530,362.61	\$873,873.36	\$166,035.94	\$1,039,909.30	\$1,543,498.79	\$1,836,763.56		
2217	Balancin de escape		UND	1	\$941,094.00	\$178,807.86	\$1,119,901.86	\$1,027,937.00	\$195,308.03	\$1,223,245.03	\$1,319,399.00	\$250,685.81	\$1,570,084.81	\$1,096,143.33	\$1,304,410.57		
2218	Balancin de admision		UND	1	\$470,205.00	\$89,338.95	\$559,543.95	\$371,568.00	\$70,597.92	\$442,165.92	\$309,644.64	\$58,832.48	\$368,477.12	\$383,805.88	\$456,729.00		
2219	Balancin retardador		UND	1	\$582,433.00	\$110,662.27	\$693,095.27	\$391,481.64	\$74,381.51	\$465,863.15	\$605,459.00	\$115,037.21	\$720,496.21	\$526,457.88	\$626,484.88		
2220	Empaquetadura motor completa		UND	1	\$3,997,920.96	\$759,604.98	\$4,757,525.94	\$7,916,251.00	\$1,504,087.69	\$9,420,338.69	\$4,814,657.00	\$914,784.83	\$5,729,441.83	\$5,576,276.32	\$6,635,768.82		
2221	Empaque de culata		UND	1	\$1,184,463.36	\$225,048.04	\$1,409,511.40	\$1,685,980.00	\$320,336.20	\$2,006,316.20	\$2,811,703.00	\$534,223.57	\$3,345,926.57	\$1,894,048.79	\$2,253,918.06		
2222	Buje de biela		UND	1	\$1,489,587.00	\$283,021.53	\$1,772,608.53	\$1,504,775.00	\$285,907.25	\$1,790,682.25	\$1,141,725.60	\$216,927.86	\$1,358,653.46	\$1,378,695.87	\$1,640,648.08		
2223	Pasador piston		UND	1	\$249,955.20	\$47,491.49	\$297,446.69	\$310,343.00	\$58,965.17	\$369,308.17	\$543,244.00	\$103,216.36	\$646,460.36	\$367,847.40	\$437,738.41		
2224	Engranaje de 1ra		UND	1	\$2,943,539.00	\$559,272.41	\$3,502,811.41	\$5,443,279.00	\$1,034,223.01	\$6,477,502.01	\$2,402,727.30	\$456,518.49	\$2,859,245.49	\$3,596,515.10	\$4,279,852.97		
2225	Engranaje de 2da		UND	1	\$3,356,182.00	\$637,674.58	\$3,993,856.58	\$3,668,321.00	\$696,980.99	\$4,365,301.99	\$2,646,839.25	\$502,899.46	\$3,149,738.71	\$3,223,780.75	\$3,836,299.09		
2226	Engranaje de 3ra		UND	1	\$2,640,013.00	\$501,602.47	\$3,141,615.47	\$2,729,291.00	\$518,565.29	\$3,247,856.29	\$2,612,381.85	\$496,352.55	\$3,108,734.40	\$2,660,561.95	\$3,166,068.72		
2227	Guaya de control de cambios larga		UND	1	\$6,968,836.00	\$1,324,078.84	\$8,292,914.84	\$4,319,151.00	\$820,638.69	\$5,139,789.69	\$3,001,968.90	\$570,374.09	\$3,572,342.99	\$4,763,318.63	\$5,668,349.17		
2228	Guaya de control de cambios corta		UND	1	\$1,426,509.00	\$271,036.71	\$1,697,545.71	\$1,966,239.00	\$373,585.41	\$2,339,824.41	\$1,161,190.80	\$220,626.25	\$1,381,817.05	\$1,517,979.60	\$1,806,395.72		
2229	Set de rodamientos caja de velocidades		UND	1	\$1,818,511.65	\$345,517.21	\$2,164,028.86	\$1,842,315.00	\$350,039.85	\$2,192,354.85	\$1,942,966.00	\$369,163.54	\$2,312,129.54	\$1,867,930.88	\$2,222,837.75		
2230	Sincronizador caja de velocidades		UND	1	\$1,071,048.60	\$203,499.23	\$1,274,547.83	\$1,320,795.00	\$250,951.05	\$1,571,746.05	\$2,038,417.00	\$387,299.23	\$2,425,716.23	\$1,476,753.53	\$1,757,336.70		
2231	Sensor de presion del common rail		UND	1	\$819,672.00	\$155,737.68	\$975,409.68	\$683,481.00	\$129,861.39	\$813,342.39	\$636,523.92	\$120,939.54	\$757,463.46	\$713,225.64	\$848,738.51		
2232	Sensor de temperatura de refrigerante motor		UND	1	\$1,546,127.00	\$293,764.13	\$1,839,891.13	\$1,004,704.00	\$190,893.76	\$1,195,597.76	\$957,437.28	\$181,913.08	\$1,339,350.36	\$1,169,422.76	\$1,391,613.08		
2233	Sensor de temperatura de combustible		UND	1	\$897,594.48	\$170,542.95	\$1,068,137.43	\$945,668.00	\$179,676.92	\$1,125,344.92	\$694,985.00	\$322,047.15	\$2,017,032.15	\$1,179,415.83	\$1,403,504.83		
2234	Sensor de velocidad del motor		UND	1	\$818,671.00	\$155,547.49	\$974,218.49	\$780,152.04	\$148,228.89	\$928,380.93	\$1,318,391.00	\$250,494.29	\$1,568,885.29	\$972,404.68	\$1,157,161.57		
2235	Sub sensor de velocidad del motor		UND	1	\$1,426,694.00	\$271,071.86	\$1,697,765.86	\$1,965,095.00	\$373,368.05	\$2,338,463.05	\$1,019,201.76	\$193,648.33	\$1,212,850.09	\$1,470,330.25	\$1,749,693.00		
2236	Sensor del pedal del acelerador		UND	1	\$925,065.72	\$175,762.49	\$1,100,828.21	\$1,348,627.00	\$256,239.13	\$1,604,866.13	\$1,216,397.00	\$231,115.43	\$1,447,512.43	\$1,163,363.24	\$1,384,402.26		
2237	Pera pedal de freno		UND	1	\$1,156,248.00	\$219,687.12	\$1,375,935.12	\$1,792,306.00	\$340,538.14	\$2,132,844.14	\$872,355.60	\$165,747.56	\$1,038,103.16	\$1,273,636.53	\$1,515,627.47		
2238	Pera del pedal del embrague		UND	1	\$556,851.24	\$105,801.74	\$662,652.98	\$832,752.00	\$158,222.88	\$990,974.88	\$1,274,017.00	\$242,063.23	\$1,516,080.23	\$887,873.41	\$1,056,569.36		
2239	Kit de embrague		JUEGO	1	\$6,752,005.65	\$1,282,881.07	\$8,034,886.72	\$10,839,634.00	\$2,059,530.46	\$12,899,164.46	\$9,865,025.00	\$1,874,354.75	\$11,739,379.75	\$9,152,221.55	\$10,891,143.64		
2240	Empaquetadura original booter embrague		UND	1	\$2,955,400.20	\$561,526.04	\$3,516,926.24	\$7,046,809.00	\$1,338,893.71	\$8,385,702.71	\$3,618,131.00	\$687,444.89	\$4,305,575.89	\$4,540,113.40	\$5,402,734.95		
2241	Cilindro maestro embrague		UND	1	\$1,188,297.72	\$225,776.57	\$1,414,074.29	\$2,569,139.00	\$488,136.41	\$3,057,275.41	\$1,721,284.00	\$327,043.96	\$2,048,327.96	\$1,826,240.24	\$2,173,225.89		
2242	Booster embrague		UND	1	\$5,094,041.00	\$967,867.79	\$6,061,908.79	\$3,033,439.20	\$576,353.45	\$3,609,792.65	\$3,465,100.00	\$658,369.00	\$4,123,469.00	\$3,864,193.40	\$4,598,390.15		
2243	Kit empaquetadura compresor de aire		JUEGO	1	\$2,446,890.00	\$464,909.10	\$2,911,799.10	\$1,751,857.00	\$332,852.83	\$2,084,709.83	\$1,504,442.10	\$285,844.00	\$1,790,286.10	\$1,901,063.03	\$2,262,265.01		
2244	Retenedor speed diferencial		UND	1	\$543,380.40	\$103,242.28	\$646,622.68	\$753,760.00	\$143,214.40	\$896,974.40	\$599,920.00	\$113,984.80	\$713,904.80	\$632,353.47	\$752,500.63		
2245	Engranaje planetarios diferencial		UND	1	\$7,493,459.76	\$1,423,757.35	\$8,917,217.11	\$17,309,003.00	\$3,288,710.57	\$20,597,713.57	\$10,575,746.00	\$2,009,391.74	\$12,585,137.74	\$11,792,736.25	\$14,033,356.14		
2246	Rodamiento conico diferencial		UND	1	\$1,475,184.00	\$280,284.96	\$1,755,468.96	\$760,016.52	\$144,403.14	\$904,419.66	\$992,073.00	\$188,493.87	\$1,180,566.87	\$1,075,757.84	\$1,280,151.83		
2247	Rodamiento de rodillos diferencial		UND	1	\$677,751.12	\$128,772.71	\$806,523.83	\$717,654.00	\$136,354.26	\$854,008.26	\$863,925.00	\$162,245.75	\$1,016,170.75	\$749,776.71	\$892,234.28		
2248	Engranaje satellite		UND	1	\$3,898,748.00	\$740,762.12	\$4,639,510.12	\$3,200,211.00	\$608,004.09	\$3,808,215.09	\$2,144,836.60	\$407,519.33	\$2,552,357.93	\$3,081,265.87	\$3,666,706.38		
2249	Cruceta portescalacion		UND	1	\$2,070,640.00	\$393,421.60	\$2,464,061.60	\$1,328,324.36	\$866,347.32	\$2,334,672.32	\$1,089,611.00	\$207,026.09	\$1,296,637.09	\$1,296,091.32	\$1,542,348.67		
2250	Canastilla diferencial		UND	1	\$1,795,262.00	\$341,099.78	\$2,136,361.78	\$2,479,379.00	\$471,082.01	\$							

ITEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO			
	REPUESTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA		
	DESCRIPCION																
2261	Rodamiento externo rueda delantera		UND	1	\$871,681.95	\$165,619.57	\$1,037,301.52	\$1,189,445.00	\$225,994.55	\$1,415,439.55	\$1,100,979.00	\$209,186.01	\$1,310,165.01	\$1,054,035.32	\$1,254,302.03		
2262	Rodamiento interno rueda delantera		UND	1	\$725,891.40	\$137,919.37	\$863,810.77	\$1,540,177.00	\$292,633.63	\$1,832,810.63	\$834,844.00	\$158,620.36	\$993,464.36	\$1,033,637.47	\$1,230,028.59		
2263	Retenedor rueda delantera		UND	1	\$1,107,966.00	\$210,513.54	\$1,318,479.54	\$911,980.35	\$173,276.27	\$1,085,256.62	\$987,051.00	\$187,539.69	\$1,174,590.69	\$1,002,332.45	\$1,192,775.62		
2264	King pin reudas delanteras		UND	1	\$162,867.00	\$30,944.73	\$193,811.73	\$246,417.00	\$46,819.23	\$293,236.23	\$135,148.68	\$25,678.25	\$160,826.93	\$181,477.56	\$215,958.30		
2265	Rodamiento externo rueda trasera		UND	1	\$661,465.08	\$125,678.37	\$787,143.45	\$815,717.00	\$154,986.23	\$970,703.23	\$1,118,930.00	\$212,596.70	\$1,331,526.70	\$865,370.69	\$1,029,791.13		
2266	Rodamiento interno rueda trasera		UND	1	\$771,832.00	\$146,648.08	\$918,480.08	\$770,208.12	\$146,339.54	\$916,547.66	\$1,355,675.00	\$257,578.25	\$1,613,253.25	\$965,905.04	\$1,149,427.00		
2267	Retenedor rueda trasera		UND	1	\$710,993.00	\$135,088.67	\$846,081.67	\$596,830.00	\$113,397.70	\$710,227.70	\$568,891.08	\$108,089.31	\$676,980.39	\$625,571.36	\$744,429.92		
2268	Espaciador llantas traseras dobles		UND	1	\$726,907.00	\$138,112.33	\$865,019.33	\$662,543.64	\$125,883.29	\$788,426.93	\$686,889.00	\$130,508.91	\$817,397.91	\$692,113.21	\$823,614.72		
2269	Tope superior ballesta delantera		UND	1	\$583,382.00	\$110,842.58	\$694,224.58	\$436,174.20	\$82,873.10	\$519,047.30	\$588,427.00	\$111,801.13	\$700,228.13	\$535,994.40	\$637,833.34		
2270	Amortiguador trasero cabina		UND	1	\$2,982,245.00	\$566,626.55	\$3,548,871.55	\$2,096,657.00	\$398,364.83	\$2,495,021.83	\$1,899,503.64	\$360,905.69	\$2,260,409.33	\$2,326,135.21	\$2,768,100.90		
2271	Amortiguador delantero cabina cabina		UND	1	\$5,925,027.00	\$1,125,755.13	\$7,050,782.13	\$3,351,320.00	\$636,750.80	\$3,988,070.80	\$2,360,309.40	\$448,458.79	\$2,808,768.19	\$4,615,873.71	\$5,579,647.91		
2272	Cilindro de inclinación cabina		UND	1	\$3,083,378.00	\$585,841.82	\$3,669,219.82	\$2,314,793.00	\$439,810.67	\$2,754,603.67	\$1,872,442.44	\$355,764.06	\$2,228,206.50	\$2,423,537.81	\$2,884,010.00		
2273	Bombona de aire exterior trasera cabina		UND	1	\$3,596,619.00	\$683,357.61	\$4,279,976.61	\$2,562,195.24	\$486,817.10	\$3,049,012.34	\$2,708,227.00	\$514,563.13	\$3,222,790.13	\$2,955,680.41	\$3,517,259.69		
2274	Bombona de aire cabina cabezote		UND	1	\$3,476,204.00	\$660,478.76	\$4,136,682.76	\$3,954,538.00	\$751,362.22	\$4,705,900.22	\$2,340,926.64	\$444,776.06	\$2,785,702.70	\$3,257,222.88	\$3,876,095.23		
2275	Oring interno pequeño bomba de inyeccion		UND	1	\$135,233.00	\$25,694.27	\$160,927.27	\$195,017.00	\$37,053.23	\$232,070.23	\$97,366.68	\$18,499.67	\$115,866.35	\$142,538.89	\$169,621.28		
2276	Oring grande bomba de inyeccion		UND	1	\$174,165.00	\$33,091.35	\$207,256.35	\$92,061.00	\$17,491.59	\$109,552.59	\$122,999.00	\$23,369.81	\$146,368.81	\$129,741.67	\$154,392.58		
2277	Bomba de Transferencia combustible		UND	1	\$6,850,715.00	\$1,301,635.85	\$8,152,350.85	\$11,909,438.00	\$2,262,793.22	\$14,172,231.22	\$4,660,632.90	\$885,520.25	\$5,546,153.15	\$7,806,928.63	\$9,290,245.07		
2278	Inyectores 093000-5226		UND	1	\$10,736,720.00	\$2,039,976.80	\$12,776,696.80	\$9,857,132.55	\$1,872,855.18	\$11,729,987.73	\$18,545,126.00	\$3,523,573.94	\$22,068,699.94	\$13,046,326.18	\$15,525,128.16		
2279	Quijada quinta rueda		UND	1	\$18,112,924.00	\$3,441,455.56	\$21,554,379.56	\$12,163,204.00	\$2,311,008.76	\$14,474,212.76	\$11,078,210.16	\$2,104,859.93	\$13,183,070.09	\$13,784,779.39	\$16,403,887.47		
2280	Disco quinta rueda		UND	1	\$7,220,671.00	\$1,371,927.49	\$8,592,598.49	\$4,590,335.52	\$872,163.75	\$5,462,499.27	\$6,661,768.00	\$1,265,735.92	\$7,927,503.92	\$6,157,591.51	\$7,327,533.89		
2281	Pasador quinta rueda		UND	1	\$2,257,961.00	\$429,012.59	\$2,686,973.59	\$1,111,907.52	\$211,262.43	\$1,323,169.95	\$1,296,892.00	\$246,409.48	\$1,543,301.48	\$1,555,586.84	\$1,851,148.34		
2282	Motor de arranque		UND	1	\$8,616,121.00	\$1,637,062.99	\$10,253,183.99	\$16,134,393.00	\$3,065,534.67	\$19,199,927.67	\$5,754,783.15	\$1,093,408.80	\$6,848,191.95	\$10,168,432.38	\$12,100,434.54		
2283	Solenoido motor de arranque		UND	1	\$2,515,974.00	\$478,035.06	\$2,994,009.06	\$1,306,424.16	\$248,220.59	\$1,554,644.75	\$1,441,713.00	\$273,925.47	\$1,715,638.47	\$1,754,703.72	\$2,088,097.43		
2284	Alternador		UND	1	\$5,150,432.70	\$978,582.21	\$6,129,014.91	\$8,179,059.00	\$1,554,021.21	\$9,733,080.21	\$5,554,673.00	\$1,055,387.87	\$6,610,060.87	\$6,294,721.57	\$7,499,718.66		
2285	Empaque tapa de distribucion motor		UND	1	\$2,848,582.00	\$541,230.58	\$3,389,812.58	\$1,497,742.00	\$284,570.98	\$1,782,312.98	\$1,417,692.15	\$269,361.51	\$1,687,053.66	\$1,921,338.72	\$2,286,393.07		
2286	Turbo		UND	1	\$24,357,139.00	\$4,627,856.41	\$28,984,995.41	\$39,984,264.00	\$7,597,010.16	\$47,581,274.16	\$16,968,027.15	\$3,223,925.16	\$20,191,952.31	\$27,103,143.38	\$32,252,740.63		
2287	Empaque turbo		UND	1	\$4,296,186.00	\$816,275.34	\$5,112,461.34	\$5,488,578.00	\$1,042,829.82	\$6,531,407.82	\$6,790,093.00	\$1,274,727.67	\$7,983,820.67	\$5,497,952.33	\$6,542,563.28		
2288	Empaque enfriador de aceite		UND	1	\$1,244,374.00	\$236,431.06	\$1,480,805.06	\$947,345.04	\$179,995.56	\$1,127,340.60	\$1,674,420.00	\$318,139.80	\$1,992,559.80	\$1,288,713.01	\$1,533,568.49		
2289	Termostato		UND	1	\$476,485.56	\$90,532.26	\$567,017.82	\$1,198,284.00	\$227,673.96	\$1,425,957.96	\$601,454.00	\$114,278.26	\$715,730.26	\$758,741.19	\$902,902.01		
2290	Bomba de agua motor		UND	1	\$3,330,286.20	\$632,754.38	\$3,963,040.58	\$8,227,554.00	\$1,563,235.26	\$9,790,789.26	\$4,580,142.00	\$870,226.98	\$5,450,368.98	\$5,379,327.40	\$6,401,399.61		
2291	Oring bomba de agua		UND	1	\$1,550,205.00	\$294,538.95	\$1,844,743.95	\$967,318.56	\$183,790.53	\$1,151,109.09	\$1,447,486.00	\$275,022.34	\$1,722,508.34	\$1,321,669.85	\$1,572,787.13		
2292	Radiador		UND	1	\$9,442,791.00	\$1,794,130.29	\$11,236,921.29	\$8,301,751.92	\$1,577,332.86	\$9,879,084.78	\$13,269,839.00	\$2,521,269.41	\$15,791,108.41	\$10,338,127.31	\$12,302,371.49		
2293	Intercooler		UND	1	\$5,758,633.50	\$1,094,140.37	\$6,852,773.87	\$7,216,202.00	\$1,371,078.38	\$8,587,280.38	\$6,206,778.00	\$1,179,287.82	\$7,386,065.82	\$6,393,871.17	\$7,606,706.69		
2294	Fancrush		UND	1	\$2,833,030.44	\$538,275.78	\$3,371,306.22	\$3,212,736.00	\$610,419.84	\$3,823,155.84	\$3,998,330.00	\$759,682.70	\$4,758,012.70	\$3,348,032.15	\$3,984,158.25		
2295	Ventilador de enfriamiento		UND	1	\$3,480,410.00	\$661,277.90	\$4,141,687.90	\$2,360,715.00	\$448,535.85	\$2,809,250.85	\$1,758,147.48	\$334,048.02	\$2,092,195.50	\$2,533,090.83	\$3,014,378.08		
2296	Kit sellos caja de direccion		JUEGO	1	\$2,915,334.00	\$553,913.46	\$3,469,247.46	\$5,796,916.00	\$1,101,414.04	\$6,898,330.04	\$1,955,906.64	\$371,622.26	\$2,327,528.90	\$3,556,052.21	\$4,231,702.13		
2297	Barra de direccion		UND	1	\$2,145,105.00	\$407,569.95	\$2,552,674.95	\$2,896,652.00	\$550,363.88	\$3,447,015.88	\$4,877,061.00	\$926,641.59	\$5,803,702.59	\$3,306,272.67	\$3,934,464.47		
2298	Tomillos centrales		UND	1	\$172,655.00	\$32,804.45	\$205,459.45	\$65,795.70	\$12,501.18	\$78,296.88	\$90,208.00	\$17,139.52	\$107,347.52	\$109,552.90	\$130,367.95		
2299	Chumacera		UND	1	\$921,617.28	\$175,107.28	\$1,096,724.56	\$2,145,754.00	\$407,693.26	\$2,553,447.26	\$1,151,530.00	\$218,790.70	\$1,370,320.70	\$1,406,300.43	\$1,673,497.51		
2300	Pasador bandas		UND	1	\$402,160.32	\$76,410.46	\$478,570.78	\$555,709.00	\$105,584.71	\$661,293.71	\$1,110,415.00	\$210,978.85	\$1,321,393.85	\$689,428.11	\$820,419.45		
2301	Pasadores templates		UND	1	\$416,409.00	\$79,117.71	\$495,526.71	\$368,908.00	\$70,092.52	\$439,000.52	\$280,010.52	\$53,202.00	\$333,212.52	\$355,109.17	\$422,579.92		
2302	Tapa tándem		UND	1	\$716,202.36	\$136,078.45	\$852,280.81	\$751,248.00	\$142,737.12	\$893,985.12	\$1,462,650.00	\$277,903.50	\$1,740,553.50	\$976,700.12	\$1,162,273.14		
2303	Manguera intercoller		UND	1	\$1,119,506.00	\$212,706.14	\$1,332,212.14	\$1,969,122.00	\$374,133.18	\$2,343,255.18	\$1,000,672.56	\$190,127.79	\$1,190,800.35	\$1,363,100.19	\$1,622,089.22		
2304	Baterías 4D1400		UND	1	\$5,256,573.00	\$998,748.87	\$6,255,321.87	\$2,405,000.00	\$456,950.00	\$2,861,950.00	\$3,398,678.00	\$645,748.82	\$4,044,426.82	\$3,686,750.33	\$4,387,232.90		
2305	Stop traseros		UND	1	\$2,148,422.85	\$408,200.34	\$2,556,623.19	\$2,750,799.00	\$522,651.81	\$3,273,450.81	\$3,087,418.00	\$586,609.42	\$3,674,027.42	\$2,662,213.28	\$3,168,033.81		
2306	Stop redondos completos		UND	1	\$1,652,008.00	\$313,881.52	\$1,965,889.52	\$1,626,637.95	\$309,061.21	\$1,935,699.16	\$3,270,573.00	\$621,408.87	\$3,891,981.87	\$2,183,072.98	\$2,597,856.85		
2307	Cocuyos laterales completos		UND	1	\$582,878.70	\$110,746.95	\$693,625.65	\$932,758.00	\$177,224.02	\$1,109,982.02	\$706,898.00	\$134,310.62	\$841,208.62	\$740,844.90	\$881,605.43		
2308	Exploradora de reverso		UND	1	\$11,329,342.65	\$2,152,575.10	\$13,481,917.75	\$16,211,153.00	\$3,080,119.07	\$19,291,272.07	\$26,340,150.00	\$5,004,628.50	\$31,344,778.50	\$17,960,215.22	\$21,372,656.11		
2309	Farola delantera izquierda		UND	1	\$5,893,331.00	\$1,119,732.89	\$7,013,063.89	\$4,426,411.05	\$841,018.10	\$5,267,429.15	\$10,564,982.00	\$2,007,346.58	\$12				

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS		DESCRIPCION			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
2320	Retenedor muelle		UND	1	\$379,598.40	\$72,123.70	\$451,722.10	\$388,820.00	\$73,875.80	\$462,695.80	\$502,505.00	\$95,475.95	\$597,980.95	\$423,641.13	\$504,132.95	
2321	Perno enganche 3/8 con tuerca		UND	1	\$757,202.00	\$143,868.38	\$901,070.38	\$658,262.52	\$125,069.88	\$783,332.40	\$1,269,282.00	\$241,163.58	\$1,510,445.58	\$894,915.51	\$1,064,949.45	
2322	Placa sujecion grapa		UND	1	\$768,995.00	\$146,109.05	\$915,104.05	\$1,410,148.00	\$267,928.12	\$1,678,076.12	\$675,198.00	\$128,287.62	\$803,485.62	\$951,447.00	\$1,132,221.93	
2323	Torre base coca		UND	1	\$2,019,496.00	\$383,704.24	\$2,403,200.24	\$1,517,513.00	\$288,327.47	\$1,805,840.47	\$1,087,834.32	\$206,688.52	\$1,294,522.84	\$1,541,614.44	\$1,834,521.18	
2324	Torre I2 sin tapa		UND	1	\$1,018,384.20	\$193,493.00	\$1,211,877.20	\$1,469,532.00	\$279,211.08	\$1,748,743.08	\$2,367,133.00	\$449,755.27	\$2,816,888.27	\$1,618,349.73	\$1,925,836.18	
2325	Zapata caucho original para trailer		UND	1	\$1,450,478.00	\$275,590.82	\$1,726,068.82	\$1,417,538.52	\$269,332.32	\$1,686,870.84	\$2,045,933.00	\$388,727.27	\$2,434,660.27	\$1,637,983.17	\$1,949,199.98	
2326	Rin 22.5 10 huecos		UND	1	\$1,057,006.08	\$200,831.16	\$1,257,837.24	\$1,321,247.00	\$251,036.93	\$1,572,283.93	\$1,135,069.00	\$215,663.11	\$1,350,732.11	\$1,171,107.36	\$1,393,617.76	
2327	Llantas 255-70R-22.5 (16 lonas)		UND	1	\$12,518,609.00	\$2,378,535.71	\$14,897,144.71	\$6,315,428.00	\$1,199,931.32	\$7,515,359.32	\$6,056,731.00	\$1,150,778.89	\$7,207,509.89	\$8,296,922.67	\$9,873,337.97	
2328	King pin		UND	1	\$479,457.00	\$91,096.83	\$570,553.83	\$447,656.76	\$85,054.78	\$532,711.54	\$532,331.00	\$101,142.89	\$633,473.89	\$486,481.59	\$578,913.09	
2329	Licuadora luz azul 24V		UND	1	\$1,306,741.00	\$248,280.79	\$1,555,021.79	\$892,225.08	\$169,522.77	\$1,061,747.85	\$1,207,799.00	\$229,481.81	\$1,437,280.81	\$1,135,588.36	\$1,351,350.15	
2330	Juego de valvulas inyeccion		JUEGO	1	\$5,961,867.00	\$1,132,754.73	\$7,094,621.73	\$4,360,125.60	\$828,423.86	\$5,188,549.46	\$9,383,234.00	\$1,782,814.46	\$11,166,048.46	\$6,568,408.87	\$7,816,406.55	
2331	Plunger inyeccion		UND	1	\$2,353,017.00	\$447,073.23	\$2,800,090.23	\$4,559,815.00	\$866,364.85	\$5,426,179.85	\$1,831,871.88	\$348,055.66	\$2,179,927.54	\$2,914,901.29	\$3,468,732.54	
2332	Empaquetadura bomba		UND	1	\$3,226,843.00	\$613,100.17	\$3,839,943.17	\$1,664,139.15	\$316,186.44	\$1,980,325.59	\$1,891,410.00	\$359,367.90	\$2,250,777.90	\$2,260,797.38	\$2,690,348.89	
2333	Base para licuadora		UND	1	\$414,482.40	\$78,751.66	\$493,234.06	\$846,028.00	\$160,745.32	\$1,006,773.32	\$538,678.00	\$102,348.82	\$641,026.82	\$599,729.47	\$713,678.07	
2334	Base para corneta grande		UND	1	\$769,158.00	\$146,140.02	\$915,298.02	\$546,376.00	\$103,811.44	\$650,187.44	\$493,484.76	\$93,762.10	\$587,246.86	\$603,006.25	\$717,577.44	
2335	Amortiguador Delantero		UND	1	\$2,832,439.00	\$538,163.41	\$3,370,602.41	\$2,684,894.85	\$510,130.02	\$3,195,024.87	\$3,796,977.00	\$721,425.63	\$4,518,402.63	\$3,104,770.28	\$3,694,676.64	
2336	Amortiguador trasero		UND	1	\$3,815,895.00	\$725,020.05	\$4,540,915.05	\$2,887,978.95	\$548,716.00	\$3,436,694.95	\$6,818,844.00	\$1,295,580.36	\$8,114,424.36	\$4,507,572.65	\$5,364,011.45	
2337	Juego de bandas 9132XX		JUEGO	1	\$2,209,430.70	\$419,791.83	\$2,629,222.53	\$3,328,359.00	\$632,388.21	\$3,960,747.21	\$2,308,156.00	\$438,549.64	\$2,746,705.64	\$2,615,315.23	\$3,112,225.13	
2338	Parrila exosto		UND	1	\$2,229,385.00	\$423,583.15	\$2,652,968.15	\$1,342,574.28	\$255,089.11	\$1,597,663.39	\$1,434,036.00	\$272,466.84	\$1,706,502.84	\$1,668,665.09	\$1,985,711.46	
2339	Racor B69 5/8 X 1/2		UND	1	\$126,715.00	\$24,075.85	\$150,790.85	\$66,438.72	\$12,623.36	\$79,062.08	\$97,861.00	\$18,593.59	\$116,454.59	\$97,004.91	\$115,435.84	
2340	Camara doble T30		UND	1	\$3,680,722.00	\$699,337.18	\$4,380,059.18	\$2,573,279.55	\$488,923.11	\$3,062,202.66	\$5,017,189.00	\$953,265.91	\$5,970,454.91	\$3,757,063.52	\$4,470,905.58	
2341	Pitos de servicio 24v		UND	1	\$1,383,000.00	\$262,770.00	\$1,645,770.00	\$962,452.80	\$182,866.03	\$1,145,318.83	\$1,306,286.00	\$248,194.34	\$1,554,480.34	\$1,217,246.27	\$1,448,523.06	
2342	Adaptador 2062-10-8SA 90 grados		UND	1	\$96,234.00	\$18,284.46	\$114,518.46	\$135,562.00	\$25,756.78	\$161,318.78	\$81,454.68	\$15,476.39	\$96,931.07	\$104,416.89	\$124,256.10	
2343	Disyuntor 5 patas 87amp		UND	1	\$339,503.00	\$64,505.57	\$404,008.57	\$149,834.52	\$28,468.56	\$178,303.08	\$199,644.00	\$37,932.36	\$237,576.36	\$229,660.51	\$273,296.00	
2344	Pitos delanteros		UND	1	\$3,015,116.00	\$572,872.04	\$3,587,988.04	\$1,189,682.64	\$226,039.70	\$1,415,722.34	\$1,541,822.00	\$292,946.18	\$1,834,768.18	\$1,915,540.21	\$2,279,492.85	
2345	Correa 6PK2465		UND	1	\$357,153.00	\$67,859.07	\$425,012.07	\$739,011.00	\$140,412.09	\$879,423.09	\$480,866.00	\$91,364.54	\$572,230.54	\$525,676.67	\$625,555.23	
2346	Lampara lateral ovalada 24 leds 24v amarillo		UND	1	\$638,927.00	\$121,396.13	\$760,323.13	\$1,274,162.00	\$242,090.78	\$1,516,252.78	\$630,331.20	\$119,762.93	\$1,636,094.13	\$847,806.73	\$1,008,890.01	
2347	APOYO TRAILER MECANICA		UND	1	\$4,087,861.60	\$776,693.70	\$4,864,555.30	\$5,097,157.00	\$968,459.83	\$6,065,616.83	\$5,477,676.00	\$1,040,758.44	\$6,518,434.44	\$4,887,564.87	\$5,816,202.19	
2348	Camara aire doble T30-30		UND	1	\$1,796,266.00	\$341,290.54	\$2,137,556.54	\$2,137,556.54	\$333,273.13	\$2,087,342.23	\$2,811,109.00	\$534,110.71	\$3,345,219.71	\$2,120,481.37	\$2,523,372.83	
2349	MANGUERA ROJA/AZUL TRAILER		UND	1	\$720,000.00	\$136,800.00	\$856,800.00	\$1,640,260.00	\$311,649.40	\$1,951,909.40	\$894,863.00	\$170,023.97	\$1,064,886.97	\$1,085,041.00	\$1,291,198.79	
MANO DE OBRA																
DESCRIPCION			UNIDAD	CANT												
2350	Rutina de mantenimiento preventivo 3.000km		UND	1	\$2,996,064.00	\$569,252.16	\$3,565,316.16	\$1,888,034.00	\$358,726.46	\$2,246,760.46	\$1,445,138.28	\$274,576.27	\$1,719,714.55	\$2,109,745.43	\$2,510,597.06	
2351	Rutina de mantenimiento preventivo 10.000km		UND	1	\$1,312,022.16	\$249,284.21	\$1,561,306.37	\$1,489,331.00	\$282,972.89	\$1,772,303.89	\$2,658,298.00	\$505,076.62	\$3,163,374.62	\$1,819,883.72	\$2,165,661.63	
2352	Rutina de mantenimiento preventivo 20.000km		UND	1	\$3,056,920.00	\$580,814.80	\$3,637,734.80	\$1,883,826.36	\$357,927.01	\$2,241,753.37	\$2,010,399.00	\$381,975.81	\$2,392,374.81	\$2,317,048.45	\$2,757,287.66	
2353	Rutina de mantenimiento preventivo 30.000km		UND	1	\$2,374,810.00	\$451,213.90	\$2,826,023.90	\$1,960,545.60	\$372,503.66	\$2,333,049.26	\$3,262,836.00	\$619,938.84	\$3,882,774.84	\$2,532,730.53	\$3,013,949.33	
2354	Rutina de mantenimiento preventivo 60.000km		UND	1	\$1,679,522.04	\$319,109.19	\$1,998,631.23	\$2,421,567.00	\$460,097.73	\$2,881,664.73	\$1,911,060.00	\$363,101.40	\$2,274,161.40	\$2,004,049.68	\$2,384,819.12	
2355	Desmontar y montar motor completo		UND	1	\$7,585,462.00	\$1,441,237.78	\$9,026,699.78	\$5,368,599.36	\$1,020,033.88	\$6,388,633.24	\$11,838,930.00	\$2,249,396.70	\$14,088,326.70	\$8,264,330.45	\$9,834,553.24	
2356	rectificadora		CONJUNTO	1	\$9,647,036.10	\$1,832,936.86	\$11,479,972.96	\$12,145,340.00	\$2,307,614.60	\$14,452,954.60	\$23,976,422.00	\$4,555,520.18	\$28,531,942.18	\$15,256,266.03	\$18,154,956.58	
2357	Desmontar y montar culata motor		UND	1	\$4,986,192.00	\$947,376.48	\$5,933,568.48	\$6,695,935.00	\$1,272,227.65	\$7,968,162.65	\$4,147,649.40	\$788,053.39	\$4,935,702.79	\$5,276,592.13	\$6,279,144.64	
2358	M.O reparacion general culata de motor incluido trabajos en rectificadora		CONJUNTO	1	\$5,675,520.00	\$1,078,348.80	\$6,753,868.80	\$9,427,150.00	\$1,791,158.50	\$11,218,308.50	\$5,685,488.00	\$1,080,242.72	\$6,765,730.72	\$6,929,386.00	\$8,245,969.34	
2359	estado (un lado)		UND	1	\$1,775,966.76	\$337,433.68	\$2,113,400.44	\$2,181,423.00	\$414,470.37	\$2,595,893.37	\$2,131,192.00	\$404,926.48	\$2,536,118.48	\$2,029,527.25	\$2,415,137.43	
2360	Desmontar y montar caja de velocidades		UND	1	\$2,315,987.00	\$440,037.53	\$2,756,024.53	\$2,212,067.00	\$420,292.73	\$2,632,359.73	\$1,831,972.68	\$348,074.81	\$2,180,047.49	\$2,120,008.89	\$2,522,810.58	
2361	volante de motor y / o cambio de reten trasero de cigüeñal		UND	1	\$2,414,346.48	\$458,725.83	\$2,873,072.31	\$6,930,552.00	\$1,316,804.88	\$8,247,356.88	\$3,502,169.00	\$665,412.11	\$4,167,581.11	\$4,282,355.83	\$5,096,003.43	
2362	estado y ajuste		CONJUNTO	1	\$18,514,667.00	\$3,517,786.73	\$22,032,453.73	\$9,877,783.00	\$1,876,778.77	\$11,754,561.77	\$6,662,963.52	\$1,265,963.07	\$7,928,926.59	\$11,685,137.84	\$13,905,314.03	
2363	Mantenimiento de caja y transmisión : cambio de aceite y ajuste		CONJUNTO	1	\$1,688,036.00	\$320,726.84	\$2,008,762.84	\$1,845,947.00	\$350,729.93	\$2,196,676.93	\$1,207,483.50	\$229,421.87	\$1,436,905.37	\$1,580,488.83	\$1,880,781.71	
2364	Desmontar y montar caja de direccion para cambio de empaques y sellos		UND	1	\$2,315,937.60	\$440,028.14	\$2,755,965.74	\$2,552,938.00	\$485,058.22	\$3,037,996.22	\$3,251,022.00	\$446,694.18	\$2,797,716.18	\$2,406,632.53	\$2,863,892.71	
2365	Desmontar y montar motor de arranque		UND	1	\$586,708.20	\$111,474.56	\$698,182.76	\$1,403,997.00	\$266,759.43	\$1,670,756.43	\$741,229.00	\$140,833.51	\$882,062.51	\$910,644.73	\$1,083,667.23	
2366	estado		CONJUNTO	1	\$4,180,078.00	\$794,214.82	\$4,974,292.82	\$2,393,503.00	\$454,765.57	\$2,848,268.57	\$2,204,400.00	\$418,836.00	\$2,623,236.00	\$2,925,993.67	\$3,481,932.46	
2367	Desmontar y montar alternador		UND	1	\$616,698.36</											

ÍTEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOYO S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO			
	REPUESTOS					VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA		
	DESCRIPCION																	
2377	Reparacion general turbo incluye cambio de partes en mal estado					CONJUNTO	1	\$6,080,756.00	\$1,155,343.64	\$7,236,099.64	\$4,542,705.00	\$863,113.95	\$5,405,818.95	\$9,888,261.00	\$1,878,769.59	\$11,767,030.59	\$6,837,240.67	\$8,136,316.39
2378	Cambio de empaque enfriador de aceite					UND	1	\$1,089,921.00	\$207,084.99	\$1,297,005.99	\$817,663.32	\$155,356.03	\$973,019.35	\$1,091,609.00	\$207,405.71	\$1,299,014.71	\$999,731.11	\$1,189,680.02
2379	Cambio de termostatos motor					UND	1	\$640,696.32	\$121,732.30	\$762,428.62	\$785,040.00	\$149,157.60	\$934,197.60	\$762,326.00	\$144,841.94	\$907,167.94	\$729,354.11	\$867,931.39
2380	Desmontar y montar bomba de agua					UND	1	\$1,511,359.00	\$287,158.21	\$1,798,517.21	\$808,110.00	\$153,540.90	\$961,650.90	\$747,185.70	\$141,965.28	\$889,150.98	\$1,022,218.23	\$1,216,439.70
2381	Reparacion general bomba de agua					UND	1	\$2,386,298.00	\$453,396.62	\$2,839,694.62	\$956,249.40	\$181,687.39	\$1,137,936.79	\$1,433,497.00	\$272,364.43	\$1,705,861.43	\$1,592,014.80	\$1,894,497.61
2382	Desmontar y montar fanclush y ventilador					UND	1	\$831,882.60	\$158,057.69	\$989,940.29	\$992,663.00	\$188,605.97	\$1,181,268.97	\$1,064,278.00	\$202,212.82	\$1,266,490.82	\$962,941.20	\$1,145,900.03
2383	Desmontar y montar compresor de aire					UND	1	\$1,348,433.00	\$256,202.27	\$1,604,635.27	\$891,043.56	\$169,298.26	\$1,060,341.84	\$917,499.00	\$174,324.81	\$1,091,823.81	\$1,052,325.19	\$1,252,266.97
2384	Cambio de empaques y sellos compresor de aite					UND	1	\$892,737.00	\$169,620.03	\$1,062,357.03	\$2,172,648.00	\$412,803.12	\$2,585,451.12	\$1,236,229.00	\$234,883.51	\$1,471,112.51	\$1,433,871.33	\$1,706,306.89
2385	mecanica y rectificadora					CONJUNTO	1	\$3,941,081.00	\$748,805.39	\$4,689,886.39	\$2,908,805.10	\$552,672.97	\$3,461,478.07	\$7,147,007.00	\$1,357,931.33	\$8,504,938.33	\$4,665,631.03	\$5,552,100.93
2386	Desmontar y montar tornillo central suspension delantera (un lado)					UND	1	\$1,339,062.00	\$254,421.78	\$1,593,483.78	\$895,627.08	\$170,169.15	\$1,065,796.23	\$1,673,172.00	\$317,902.68	\$1,991,074.68	\$1,302,620.36	\$1,550,118.23
2387	combustible)					UND	1	\$566,084.16	\$107,555.99	\$673,640.15	\$782,407.00	\$148,657.33	\$931,064.33	\$1,281,166.00	\$243,421.54	\$1,524,587.54	\$876,552.39	\$1,043,097.34
2388	Cambio de sensor de velocidad caja de velocidades					UND	1	\$579,435.84	\$110,092.81	\$689,528.65	\$849,477.00	\$161,400.63	\$1,010,877.63	\$1,244,513.00	\$236,457.47	\$1,480,970.47	\$891,141.95	\$1,060,458.92
2389	Desmontar y montar bomba de transferencia de combustible					UND	1	\$1,479,628.00	\$281,129.32	\$1,760,757.32	\$1,139,431.80	\$216,492.04	\$1,355,923.84	\$1,208,192.00	\$229,556.48	\$1,437,748.48	\$1,275,750.60	\$1,518,143.21
2390	Desmontar y montar sensor de presion riel de inyeccion					UND	1	\$807,853.00	\$153,492.07	\$961,345.07	\$560,845.44	\$106,560.63	\$667,406.07	\$1,182,559.00	\$224,686.21	\$1,407,245.21	\$850,419.15	\$1,011,998.78
2391	Desmontar y montar sensor pedal acelerador					UND	1	\$946,159.00	\$179,770.21	\$1,125,929.21	\$597,486.96	\$113,522.52	\$711,009.48	\$643,318.00	\$122,230.42	\$765,548.42	\$728,987.99	\$867,495.70
2392	Instalar pera de freno o embrague					UND	1	\$331,303.00	\$62,947.57	\$394,250.57	\$194,267.00	\$36,910.73	\$231,177.73	\$135,266.76	\$25,700.68	\$160,967.44	\$220,278.92	\$262,131.91
2393	Cambio de reten delantero cigueñal					UND	1	\$511,722.00	\$97,227.18	\$608,949.18	\$770,241.00	\$146,345.79	\$916,586.79	\$663,470.00	\$126,059.30	\$789,529.30	\$648,477.67	\$771,688.42
2394	Desmontar y montar booster embrague para cambio de empaques					UND	1	\$740,739.96	\$140,740.59	\$881,480.55	\$788,389.00	\$149,793.91	\$938,182.91	\$1,194,710.00	\$226,994.90	\$1,421,704.90	\$907,946.32	\$1,080,456.12
2395	Cambio de guaya control de cambios corta					UND	1	\$1,301,654.00	\$247,314.26	\$1,548,968.26	\$680,439.00	\$129,283.41	\$809,722.41	\$514,875.60	\$97,826.36	\$612,701.96	\$832,322.87	\$990,464.21
2396	Cambio de guaya control de cambio larga					UND	1	\$556,617.60	\$105,757.34	\$662,374.94	\$1,604,019.00	\$304,763.61	\$1,908,782.61	\$821,930.00	\$156,166.70	\$978,096.70	\$994,188.87	\$1,183,084.75
2397	Cambio de crucetas cardan					UND	1	\$678,411.00	\$128,898.09	\$807,309.09	\$583,336.80	\$110,833.99	\$694,170.79	\$778,715.00	\$147,955.85	\$926,670.85	\$680,154.27	\$809,383.58
2398	cambio soporte central cardan con rodamiento					UND	1	\$1,147,677.00	\$218,058.63	\$1,365,735.63	\$622,326.60	\$118,242.05	\$740,568.65	\$916,583.00	\$174,150.77	\$1,090,733.77	\$895,528.87	\$1,065,679.35
2399	Desmontar y montar diferencial					UND	1	\$1,499,447.16	\$284,894.96	\$1,784,342.12	\$2,303,005.00	\$437,570.95	\$2,740,575.95	\$2,230,380.00	\$423,772.20	\$2,654,152.20	\$2,010,944.05	\$2,393,023.42
2400	ajuste					CONJUNTO	1	\$22,451,689.00	\$4,265,820.91	\$26,717,509.91	\$17,711,501.00	\$3,365,185.19	\$21,076,686.19	\$12,303,041.76	\$2,337,577.93	\$14,640,619.69	\$17,488,743.92	\$20,811,605.26
2401	reparacion general					UND	1	\$1,711,018.00	\$325,093.42	\$2,036,111.42	\$1,192,805.00	\$226,632.95	\$1,419,437.95	\$823,727.88	\$156,508.30	\$980,236.18	\$1,242,516.96	\$1,478,595.18
2402	Cambio reten speed diferencial					UND	1	\$1,168,071.00	\$221,933.49	\$1,390,004.49	\$823,090.68	\$156,387.23	\$979,477.91	\$1,151,025.00	\$218,694.75	\$1,369,719.75	\$1,047,395.56	\$1,246,400.72
2403	cambio de eje de leva freno delantero					UND	1	\$441,348.00	\$83,856.12	\$525,204.12	\$628,285.00	\$119,374.15	\$747,659.15	\$348,418.08	\$66,199.44	\$414,617.52	\$472,683.69	\$562,493.60
2404	Cambio de eje de leva freno trasero					UND	1	\$339,380.64	\$64,482.32	\$403,862.96	\$671,237.00	\$127,535.03	\$798,772.03	\$415,830.00	\$79,007.70	\$494,837.70	\$475,822.55	\$565,824.23
2405	Desmontar y montar barra estabilizadora					UND	1	\$928,463.00	\$176,407.97	\$1,104,870.97	\$1,263,524.00	\$240,069.56	\$1,503,593.56	\$915,838.56	\$174,009.33	\$1,089,847.89	\$1,035,941.85	\$1,232,770.81
2406	Desmontar y montar rodillos interno y externos speed diferencial y retenedor					UND	1	\$2,699,451.00	\$512,895.69	\$3,212,346.69	\$1,124,745.12	\$213,701.57	\$1,338,446.69	\$1,448,150.00	\$275,148.50	\$1,723,298.50	\$1,757,448.71	\$2,091,363.96
2407	mantenimiento o reemplazo cambio de reten delantero (un lado)					UND	1	\$1,241,883.00	\$235,957.77	\$1,477,840.77	\$2,307,912.00	\$438,503.28	\$2,746,415.28	\$1,738,850.00	\$330,381.50	\$2,069,231.50	\$1,762,881.67	\$2,097,829.18
2408	mantenimiento o reemplazo cambio de reten delantero (un lado)					UND	1	\$2,207,156.00	\$419,359.64	\$2,626,515.64	\$1,421,154.00	\$270,019.26	\$1,691,173.26	\$1,037,388.60	\$197,103.83	\$1,234,492.43	\$1,555,232.87	\$1,850,727.11
2409	Desmontar y montar Kig pin rueda delantera (un lado)					UND	1	\$1,003,857.00	\$190,732.83	\$1,194,589.83	\$695,614.32	\$132,166.72	\$827,781.04	\$1,893,116.00	\$359,692.04	\$2,252,808.04	\$1,197,529.11	\$1,425,059.64
2410	Cambio de tope ballista delantera (un lado)					UND	1	\$705,293.00	\$134,005.67	\$839,298.67	\$582,055.92	\$110,590.62	\$692,646.54	\$1,068,116.00	\$202,942.04	\$1,271,058.04	\$785,154.97	\$934,334.42
2411	Cambio de amortiguador trasero (un lado)					UND	1	\$613,728.00	\$116,608.32	\$730,336.32	\$543,059.00	\$103,181.21	\$646,240.21	\$512,231.04	\$97,323.90	\$609,554.94	\$556,339.35	\$662,043.82
2412	Desmontar y montar bombona suspension trasera (un lado)					UND	1	\$945,500.76	\$179,645.14	\$1,125,145.90	\$2,170,182.00	\$412,334.58	\$2,582,516.58	\$1,297,398.00	\$246,505.62	\$1,543,903.62	\$1,471,026.92	\$1,750,522.03
2413	Desmontar y montar bombona interior cabina (un lado)					UND	1	\$804,296.16	\$152,816.27	\$957,112.43	\$1,830,315.00	\$347,759.85	\$2,178,074.85	\$1,164,628.00	\$221,279.32	\$1,385,907.32	\$1,266,413.05	\$1,507,031.53
2414	Desmontar y montar bombona trasera cabina (un lado)					UND	1	\$1,320,708.00	\$250,934.52	\$1,571,642.52	\$1,469,053.00	\$279,120.07	\$1,748,173.07	\$970,508.52	\$184,396.62	\$1,154,905.14	\$1,253,423.17	\$1,491,573.58
2415	Cambio de quijada quinta rueda					UND	1	\$1,542,788.00	\$293,129.72	\$1,835,917.72	\$1,778,211.00	\$337,860.09	\$2,116,071.09	\$1,492,149.24	\$283,508.36	\$1,775,657.60	\$1,604,382.75	\$1,909,215.47
2416	Engrasada y lavada					UND	1	\$1,653,698.00	\$314,202.62	\$1,967,900.62	\$1,202,322.30	\$228,441.24	\$1,430,763.54	\$2,453,414.00	\$466,148.66	\$2,919,562.66	\$1,769,811.43	\$2,106,075.61
2417	Vulcanizar llanta					UND	1	\$226,108.00	\$42,960.52	\$269,068.52	\$248,546.00	\$47,223.74	\$295,769.74	\$225,370.20	\$42,820.34	\$268,190.54	\$233,341.40	\$277,676.27
2418	Bota llanta					UND	1	\$546,889.00	\$103,908.91	\$650,797.91	\$315,757.00	\$59,993.83	\$375,750.83	\$261,749.10	\$49,732.33	\$311,481.43	\$374,798.37	\$446,010.06
2419	Despinchada llantas					UND	1	\$268,124.00	\$50,943.56	\$319,067.56	\$527,948.00	\$100,310.12	\$628,258.12	\$250,420.00	\$47,579.80	\$297,999.80	\$348,830.67	\$415,108.49
2420	Desmontada de llantas delanteras traseras y del tráiler					UND	1	\$569,465.00	\$108,198.35	\$677,663.35	\$304,635.00	\$57,880.65	\$362,515.65	\$281,207.40	\$334,636.81	\$385,102.47	\$458,271.94	\$548,271.94
2421	Mantenimiento de motor -cambio de aceite filtros					CONJUNTO	1	\$2,610,079.00	\$495,915.01	\$3,105,994.01	\$2,260,662.00	\$429,525.78	\$2,690,187.78	\$1,567,007.40	\$297,731.41	\$1,864,738.81	\$2,145,916.13	\$2,553,640.20
2422	Desmontar y montar bomba auxiliar embrague					UND	1	\$2,869,341.00	\$545,174.79	\$3,414,515.79	\$1,286,589.60	\$244,452.02	\$1,531,041.62	\$1,596,665.00	\$303,366.35	\$1,900,031.35	\$1,917,531.87	\$2,281,862.92
2423	Cambio de buje y pasador tandem					UND	1	\$566,222.00	\$107,582.18	\$673,804.18	\$545,284.56	\$80,804.07	\$626,088.63	\$638,233.00	\$121,264.27	\$759,497.27	\$543,246.52	\$646,463.36
2424	Desmontar y montar radiador e intercoller para mantenimiento					UND	1	\$1,985,232.00	\$377,194.08	\$2,362,426.08	\$802,717.56	\$152,516.34	\$955,233.90	\$1,168,425.00	\$222,000.75	\$1,390,425.75	\$1,318,791.52	\$1,569,361.91
2425	Mantenimiento radiador					UND	1	\$1,360,802.00	\$258,552.38	\$1,619,354.38	\$738,146.16	\$140,247.77	\$878,393.93	\$960,313.00	\$18			

ITEM	MOTONIVELADORA CATERPILLAR 120 K				UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO		
	REPUESTOS						VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA	
	DESCRIPCION																	
2436	Bajar tarro exosto para arreglo					UND	1	\$1,066,376.00	\$202,611.44	\$1,268,987.44	\$840,315.96	\$159,660.03	\$999,975.99	\$2,087,754.00	\$396,673.26	\$2,484,427.26	\$1,331,481.99	\$1,584,463.56
2437	Arreglo de luces en general					CONJUNTO	1	\$1,823,945.00	\$346,549.55	\$2,170,494.55	\$1,065,255.00	\$202,398.45	\$1,267,653.45	\$822,773.52	\$156,326.97	\$979,100.49	\$1,237,324.51	\$1,472,416.16
2438	Carga de aire acondicionado y aceite compresor					UND	1	\$1,268,128.08	\$240,944.34	\$1,509,072.42	\$1,271,858.00	\$241,653.02	\$1,513,511.02	\$1,828,998.00	\$347,509.62	\$2,176,507.62	\$1,456,328.03	\$1,733,030.35
2439	Arreglo base de silla operador					UND	1	\$1,030,953.00	\$195,881.07	\$1,226,834.07	\$1,050,552.00	\$199,604.88	\$1,250,156.88	\$738,704.52	\$140,353.86	\$879,058.38	\$940,069.84	\$1,118,683.11
2440	Revisión eléctrica general con cambio de bombillos y stop					CONJUNTO	1	\$923,145.00	\$175,397.55	\$1,098,542.55	\$863,604.36	\$164,084.83	\$1,027,689.19	\$1,411,298.00	\$268,146.62	\$1,679,444.62	\$1,066,015.79	\$1,268,558.79
2441	Calibración bomba auxiliar y principal embrague					UND	1	\$1,424,931.00	\$270,736.89	\$1,695,667.89	\$623,921.76	\$118,545.13	\$742,466.89	\$726,428.00	\$864,449.32	\$925,093.59	\$1,100,861.37	\$1,268,558.79
2442	estado laboratorio					CONJUNTO	1	\$8,623,026.00	\$1,638,374.94	\$10,261,400.94	\$8,800,617.00	\$1,672,117.23	\$10,472,734.23	\$8,654,082.00	\$1,644,275.58	\$10,298,357.58	\$8,692,575.00	\$10,344,164.25
2443	Desmontar y montar sensores barra estabilizadora					UND	1	\$654,530.00	\$124,360.70	\$778,890.70	\$509,392.08	\$96,784.50	\$606,176.58	\$1,146,673.00	\$217,867.87	\$1,364,540.87	\$770,198.36	\$916,536.05
2444	Cambio amortiguador Delatero un solo lado					UND	1	\$565,827.00	\$107,507.13	\$673,334.13	\$535,864.68	\$101,814.29	\$637,678.97	\$880,768.00	\$167,345.92	\$1,048,113.92	\$660,819.89	\$786,375.67
2445	Cambio bombona cabina					UND	1	\$504,949.32	\$95,940.32	\$600,889.69	\$625,635.00	\$118,870.65	\$744,505.65	\$1,184,511.00	\$225,057.09	\$1,409,568.09	\$771,698.44	\$918,321.14
2446	Cambio media lunas muelle					UND	1	\$576,676.08	\$109,568.46	\$686,244.54	\$775,717.00	\$147,386.23	\$923,103.23	\$1,351,715.00	\$256,825.85	\$1,608,540.85	\$901,369.36	\$1,072,629.54
2447	Cambio silenciador y puntera exosto					UND	1	\$585,066.24	\$111,162.59	\$696,228.83	\$654,807.00	\$124,413.33	\$779,220.33	\$628,032.00	\$119,326.08	\$747,358.08	\$622,635.08	\$740,935.75
2448	Cambio de disco y pasador quinta rueda					UND	1	\$1,907,101.00	\$362,349.19	\$2,269,450.19	\$767,480.04	\$145,821.21	\$913,301.25	\$1,027,085.00	\$195,146.15	\$1,222,231.15	\$1,233,888.68	\$1,468,327.53
2449	Desmontar y montar quinta rueda para mantenimiento y ajuste					UND	1	\$1,450,234.00	\$275,544.46	\$1,725,778.46	\$2,619,885.00	\$497,778.15	\$3,117,663.15	\$1,162,026.72	\$220,785.08	\$1,382,811.80	\$1,744,048.57	\$2,075,417.80
2450	Desmontar y montar bomba principal de embrague					UND	1	\$647,085.00	\$122,946.15	\$770,031.15	\$925,280.00	\$175,803.20	\$1,101,083.20	\$641,785.80	\$121,939.30	\$763,725.10	\$738,050.27	\$878,279.82
2451	Cambio hoja zeta suspension (un lado)					UND	1	\$996,842.00	\$189,399.98	\$1,186,241.98	\$1,615,031.00	\$306,855.89	\$1,921,886.89	\$665,138.70	\$126,376.35	\$791,515.05	\$1,092,337.23	\$1,299,881.31
2452	Reparacion general cilindro maestro embrague					UND	1	\$1,068,035.00	\$202,926.65	\$1,270,961.65	\$584,933.40	\$111,137.35	\$696,070.75	\$707,570.00	\$146,408.30	\$853,978.30	\$807,846.13	\$961,336.90
2453	Cambio Cilindro maestro embrague					UND	1	\$910,119.00	\$172,922.61	\$1,083,041.61	\$685,791.72	\$130,300.43	\$816,092.15	\$937,863.00	\$178,193.97	\$1,116,056.97	\$844,591.24	\$1,005,063.58
2454	Desmonte e instalacion de mangueras de intercoller					UND	1	\$661,082.00	\$125,605.58	\$786,687.58	\$1,221,672.00	\$232,117.68	\$1,453,789.68	\$611,625.24	\$116,208.80	\$727,834.04	\$831,459.75	\$989,437.10
2455	Instalacion juego de pitos cambio de cables y terminales					UND	1	\$1,323,756.00	\$251,513.64	\$1,575,269.64	\$898,152.00	\$170,648.88	\$1,068,800.88	\$627,198.84	\$119,167.78	\$746,366.62	\$949,702.28	\$1,130,145.71
2456	Servicio de diagnostico con scanner					UND	1	\$710,072.00	\$134,913.68	\$844,985.68	\$602,535.60	\$114,481.76	\$717,017.36	\$1,230,789.00	\$233,849.91	\$1,464,638.91	\$847,798.87	\$1,008,880.65
2457	Instalacion de licuadora					UND	1	\$1,641,253.00	\$311,838.07	\$1,953,091.07	\$827,024.00	\$157,134.56	\$984,158.56	\$581,864.76	\$110,554.30	\$692,419.06	\$1,016,713.92	\$1,209,889.56
2458	Cambio aceite y filtros diferencial					UND	1	\$471,017.70	\$89,493.36	\$560,511.06	\$1,018,273.00	\$193,471.87	\$1,211,744.87	\$575,186.00	\$109,285.34	\$684,471.34	\$688,158.90	\$818,909.56
2459	Cambio de diafragmas camara delantera					UND	1	\$652,528.00	\$123,980.32	\$776,508.32	\$527,562.60	\$100,236.89	\$627,799.49	\$615,069.00	\$116,863.11	\$731,932.11	\$598,386.53	\$712,079.97
2460	Cambio de diafragmas camara trasera					UND	1	\$1,004,672.00	\$190,887.68	\$1,195,559.68	\$458,210.10	\$87,059.92	\$545,270.02	\$583,537.00	\$110,872.03	\$694,409.03	\$682,139.70	\$811,746.24
2461	Desmonte camara de aire trailer para reparar					UND	1	\$1,430,786.00	\$271,849.34	\$1,702,635.34	\$858,164.00	\$163,051.16	\$1,021,215.16	\$715,148.64	\$135,878.24	\$851,026.88	\$1,001,366.21	\$1,191,625.79
2462	Desmonte manguera trailer para cambio					UND	1	\$1,777,412.00	\$337,708.28	\$2,115,120.28	\$1,030,669.00	\$195,827.11	\$1,226,496.11	\$784,699.20	\$149,092.85	\$933,792.05	\$1,197,593.40	\$1,425,136.15
2463	Desmonte tanque de combustible y lavado					UND	1	\$703,911.60	\$133,743.20	\$837,654.80	\$801,298.00	\$152,246.82	\$953,544.82	\$1,147,830.00	\$218,087.70	\$1,365,917.70	\$894,346.53	\$1,052,372.37
2464	Desmonte separador de agua y lavado					UND	1	\$670,097.16	\$127,318.46	\$797,415.62	\$581,130.00	\$300,414.70	\$1,881,544.70	\$795,272.00	\$151,101.68	\$946,373.68	\$1,015,499.72	\$1,208,444.67
2465	Desmonte mangueras sistema de combustible para cambio					UND	1	\$370,304.64	\$70,357.88	\$440,662.52	\$777,621.00	\$147,747.99	\$925,368.99	\$477,516.00	\$90,728.04	\$568,244.04	\$541,813.88	\$644,758.52
2466	pintura pieza pequena					UND	1	\$1,280,451.00	\$243,285.69	\$1,523,736.69	\$1,036,518.48	\$196,938.51	\$1,233,456.99	\$2,372,772.00	\$450,826.68	\$2,823,598.68	\$1,563,247.16	\$1,860,264.12
2467	pintura pieza grande					UND	1	\$756,515.88	\$143,738.02	\$900,253.90	\$1,009,203.00	\$191,748.57	\$1,200,951.57	\$1,640,317.00	\$311,660.23	\$1,951,977.23	\$1,135,345.29	\$1,351,060.90
2468	Sevicio de grua en camabaja incluido cabezote precio por kilometros					UND	1	\$105,552.00	\$20,054.88	\$125,606.88	\$56,053.00	\$10,650.07	\$66,703.07	\$53,051.04	\$10,079.70	\$63,130.74	\$71,552.01	\$85,146.90
	MOTONIVELADORA 120 CATERPILLAR AÑO 2021																	
	REPUESTOS																	
	DESCRIPCION					UNIDAD	CANT											
2469	Filtro separado de combustible 4395037 original de fabricante					UND	1	\$804,403.00	\$152,836.57	\$957,239.57	\$718,021.26	\$136,424.04	\$854,445.30	\$1,337,331.00	\$254,092.89	\$1,591,423.89	\$953,251.75	\$1,134,369.59
2470	Filtro de combustible 3608960 original de fabricante					UND	1	\$494,537.00	\$93,962.03	\$588,499.03	\$561,677.00	\$106,718.63	\$668,395.63	\$454,693.50	\$86,391.77	\$541,085.27	\$503,635.83	\$599,326.64
2471	Filtro de aceite de motor 4621171 original de fabricante					UND	1	\$306,348.08	\$58,206.13	\$364,554.21	\$410,054.00	\$77,910.26	\$487,964.26	\$616,004.00	\$117,040.76	\$733,044.76	\$444,135.36	\$528,521.08
2472	Filtro de aire primario 479-8989 original del fabricante					UND	1	\$1,666,103.58	\$316,559.68	\$1,982,663.26	\$2,744,685.00	\$521,490.15	\$3,266,175.15	\$1,978,124.00	\$375,843.56	\$2,353,967.56	\$2,129,637.53	\$2,534,268.66
2473	Filtro Ak-450 sistema hidraulico					UND	1	\$2,227,456.00	\$423,216.64	\$2,650,672.64	\$2,159,423.00	\$410,290.37	\$2,569,713.37	\$1,726,002.27	\$327,940.43	\$2,053,942.70	\$2,037,627.09	\$2,424,776.24
2474	filtro 3375270					UND	1	\$1,396,257.35	\$265,288.90	\$1,661,546.25	\$2,165,734.00	\$411,489.46	\$2,577,223.46	\$1,993,884.00	\$378,837.96	\$2,372,721.96	\$1,851,958.45	\$2,203,830.56
2475	Cuchillas pala motoniveladora 13 huecons con tornillos y tuercas					UND	1	\$2,088,426.00	\$396,800.94	\$2,485,226.94	\$2,665,012.00	\$506,352.28	\$3,171,364.28	\$1,741,961.70	\$330,972.72	\$2,072,934.42	\$2,165,133.23	\$2,576,508.55
2476	Esquineros pala motonivadora					UND	1	\$2,687,005.00	\$510,530.95	\$3,197,535.95	\$1,852,827.00	\$352,037.13	\$2,204,864.13	\$1,396,522.80	\$265,339.33	\$1,661,862.13	\$1,978,784.93	\$2,354,754.07
2477	Empaquetaduras cilindro hidráulico levante de la pala					UND	1	\$1,119,065.40	\$212,622.43	\$1,331,687.83	\$1,125,251.00	\$213,797.69	\$1,339,048.69	\$1,316,246.00	\$250,086.74	\$1,566,332.74	\$1,186,854.13	\$1,412,356.42
2478	Empaquetaduras cilindro hidráulico tornamesa					UND	1	\$1,780,352.55	\$338,266.98	\$2,118,619.53	\$2,473,629.00	\$469,989.51	\$2,943,618.51	\$2,426,708.00	\$461,074.52	\$2,887,782.52	\$2,226,896.52	\$2,650,006.85
2479	Empaquetaduras cilindro hidráulico articulation ruedas traseras					UND	1	\$1,493,254.35	\$283,718.33	\$1,776,972.68	\$3,145,243.00	\$597,596.17	\$3,742,839.17	\$1,684,587.00	\$320,071.53	\$2,004,658.53	\$2,107,694.78	\$2,508,156.79
2480	Empaquetaduras cilindro hidráulico escarificador					UND	1	\$1,667,589.00	\$316,841.91	\$1,984,430.91	\$2,613,866.00	\$496,634.54	\$3,110,500.54	\$1,277,931.15	\$242,806.92	\$1,520,738.07	\$1,853,128.72	\$2,205,223.17
2481	Empaquetadura cilindro inclinacion rueda					UND	1	\$2,953,644.00	\$561,192.36	\$3,514,836.36	\$1,471,870.35	\$279,655.37	\$1,751,525.72	\$2,166,028.00	\$411,545.32	\$2,577,573.32	\$2,197,180.78	\$2,614,645.13
2482	Strip para el tornamesa					UND	1	\$959,670.45	\$182,337.39	\$1,142,007.84	\$1,200,068.00	\$228,012.92	\$1,428,080.92	\$217,835.00	\$235,188.65	\$1,473,023.65	\$1,132,524.48	\$1,347,704.14
2483	Kit de sellos bombetas de dirección					UND	1	\$7,446,231.00	\$1,414,783.89	\$8,861,014.89	\$4,029,892.00	\$765,679.48	\$4,795,571.48	\$2,399,352.05	\$250,476.89	\$3,259,828.94	\$4,738,491.68	\$5,638,805.10
2484	Inyector motor					UND	1	\$12,719,743.00	\$2,416,751.17	\$15,136,494.17	\$23,897,810.00	\$4,540,583.90	\$28,438,393.90	\$8,980,660.00	\$1,706,325.40	\$10,686,965.40	\$15,199,404.33	\$18,087,291.16
	MANO DE OBRA																	
	DESCRIPCION					UNIDAD	CANT											
2485	Mantenimiento preventivo 250 horas					UND	1	\$1,369,608.00	\$260,225.52	\$1,629,833.52	\$1,024,852.00	\$194,721.88	\$1,219,573.88	\$824,589.45	\$156,672.00	\$981,261.45	\$1,073,016.48	\$1,276,889.62
2486	Mantenimiento preventivo 500 horas					UND	1	\$874,966.95	\$164,234.72	\$1,td								

ITEM	MOTONIVELADORA CATERPILLAR 120 K	UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION													
2490	Mantenimiento de Motor: Cambio de aceite cambio de filtros.	UND	1	\$1,397,786.00	\$265,579.34	\$1,663,365.34	\$2,008,829.00	\$381,677.51	\$2,390,506.51	\$1,207,648.80	\$229,453.27	\$1,437,102.07	\$1,538,087.93	\$1,830,324.64
2491	(un lado)	UND	1	\$1,174,917.00	\$223,234.23	\$1,398,151.23	\$993,569.85	\$188,777.87	\$1,182,347.72	\$1,457,154.00	\$276,859.26	\$1,734,013.26	\$1,208,546.95	\$1,438,170.87
2492	empaquetaduras	UND	1	\$1,411,212.00	\$268,130.28	\$1,679,342.28	\$2,093,473.00	\$397,759.87	\$2,491,232.87	\$1,070,745.75	\$203,441.69	\$1,274,187.44	\$1,525,143.58	\$1,814,920.86
2493	Desmontar y montar cilindro escarificador para cambio de empaquetaduras	UND	1	\$1,304,160.00	\$247,790.40	\$1,551,950.40	\$2,075,259.00	\$394,299.21	\$2,469,558.21	\$1,060,903.35	\$201,571.64	\$1,262,474.99	\$1,480,107.45	\$1,761,327.87
2494	empaquetaduras	UND	1	\$813,359.00	\$154,538.21	\$967,897.21	\$755,994.60	\$143,638.97	\$899,633.57	\$1,165,516.00	\$221,448.04	\$1,386,964.04	\$911,623.20	\$1,084,831.61
2495	empaquetadura (un lado)	UND	1	\$807,166.80	\$153,361.69	\$960,528.49	\$1,154,853.00	\$219,422.07	\$1,374,275.07	\$1,030,251.00	\$195,747.69	\$1,225,998.69	\$997,423.60	\$1,186,934.08
2496	Desmontar y montar terminales de direccion (un lado)	UND	1	\$661,796.55	\$125,741.34	\$787,537.89	\$896,705.00	\$170,373.95	\$1,067,078.95	\$1,403,235.00	\$266,614.65	\$1,669,849.65	\$987,245.52	\$1,174,822.16
2497	Montaje y desmontaje de llantas	UND	1	\$529,808.00	\$100,663.52	\$630,471.52	\$1,017,645.00	\$193,352.55	\$1,210,997.55	\$440,390.00	\$83,674.10	\$524,064.10	\$662,614.33	\$788,511.06
2498	Cambio de cuchillas, esquineras y sobre esquineras	UND	1	\$638,639.10	\$121,341.43	\$759,980.53	\$875,813.00	\$166,404.47	\$1,042,217.47	\$1,569,840.00	\$298,269.60	\$1,868,109.60	\$1,028,097.37	\$1,223,435.87
2499	Mantenimiento del Sistema Hidráulico: Cambio de Filtros y aceite hidráulico.	CONJUNTO	1	\$2,067,333.00	\$392,793.27	\$2,460,126.27	\$949,927.50	\$180,486.23	\$1,130,413.73	\$1,073,854.00	\$204,032.26	\$1,277,886.26	\$1,363,704.83	\$1,622,808.75
2500	Servicio scanner	UND	1	\$1,538,921.00	\$292,394.99	\$1,831,315.99	\$644,438.25	\$122,443.27	\$766,881.52	\$911,739.00	\$173,230.41	\$1,084,969.41	\$1,031,699.42	\$1,227,722.31
2501	Cambio de correas	UND	1	\$301,351.95	\$57,256.87	\$358,608.82	\$312,375.00	\$59,351.25	\$371,726.25	\$431,252.00	\$81,937.88	\$513,189.88	\$348,326.32	\$414,508.32
2502	Cambio strip pala	UND	1	\$745,721.00	\$141,686.99	\$887,407.99	\$1,230,434.00	\$233,782.46	\$1,464,216.46	\$674,337.15	\$128,124.06	\$802,461.21	\$883,497.38	\$1,051,361.89
2503	Cambio de valvula llanta	UND	1	\$158,199.30	\$30,057.87	\$188,257.17	\$242,959.00	\$46,162.21	\$289,121.21	\$158,274.00	\$30,072.06	\$188,346.06	\$186,477.43	\$221,908.15
2504	Reconstruccion de soportes strips	UND	1	\$1,025,163.00	\$194,780.97	\$1,219,943.97	\$1,969,456.00	\$374,196.64	\$2,343,652.64	\$684,058.20	\$129,971.06	\$814,029.26	\$1,226,225.73	\$1,459,208.62
2505	Mantenimiento de las lineas de combustible sistema de inyeccion	CONJUNTO	1	\$567,482.00	\$107,821.58	\$675,303.58	\$294,360.90	\$55,928.57	\$350,289.47	\$421,895.00	\$80,160.05	\$502,055.05	\$427,912.63	\$509,216.93
2506	Sevicio de grua en camabaja incluido cabezote precio por kilometros	UND	1	\$121,866.00	\$23,154.54	\$145,020.54	\$63,987.00	\$12,157.53	\$76,144.53	\$44,104.80	\$8,379.91	\$52,484.71	\$76,652.60	\$91,216.59
2507	D/M BOMBA ALTA	UND	1	\$3,128,210.00	\$594,359.90	\$3,722,569.90	\$1,250,320.00	\$237,560.80	\$1,487,880.80	\$1,725,620.00	\$327,867.80	\$2,053,487.80	\$2,034,716.67	\$2,421,312.83
2508	D/M RIEL INYECCIÓN	UND	1	\$2,508,546.00	\$476,623.74	\$2,985,169.74	\$1,345,494.00	\$255,643.86	\$1,601,137.86	\$1,210,520.00	\$229,998.80	\$1,440,518.80	\$1,688,186.67	\$2,008,942.13
2509	D/M INYECTORES	UND	1	\$2,141,976.10	\$406,975.46	\$2,548,951.56	\$4,946,808.00	\$939,893.52	\$5,886,701.52	\$2,926,950.00	\$556,120.50	\$3,483,070.50	\$3,338,578.03	\$3,972,907.86
2510	LAVADO TANQUE COMBUSTIBLE, SANGRADO Y REPARACIÓN	UND	1	\$2,550,320.00	\$484,560.80	\$3,034,880.80	\$4,729,611.00	\$898,626.09	\$5,628,237.09	\$3,367,085.00	\$639,746.15	\$4,006,831.15	\$3,549,005.33	\$4,223,316.35
2511	D/M TANQUE DE COMBUSTIBLE	UND	1	\$1,882,883.00	\$357,747.77	\$2,240,630.77	\$974,373.00	\$185,130.87	\$1,159,503.87	\$850,320.00	\$161,560.80	\$1,011,880.80	\$1,235,858.67	\$1,470,671.81
	RETROEXCAVADORA 420 AÑO 2021													
	REPUESTOS													
	DESCRIPCION		CANT											
2512	Filtro combustible separador 46003110	UND	1	\$1,476,932.00	\$280,617.08	\$1,757,549.08	\$1,516,524.00	\$288,139.56	\$1,804,663.56	\$1,135,851.25	\$215,811.74	\$1,351,662.99	\$1,376,435.75	\$1,637,958.54
2513	Filtro combustible 1R-1804 original de fabrica	UND	1	\$654,972.00	\$124,444.68	\$779,416.68	\$1,292,061.00	\$245,491.59	\$1,537,552.59	\$457,275.78	\$86,882.40	\$544,158.18	\$801,436.26	\$953,709.15
2514	filtro de aceite de motor 7W-2326	UND	1	\$232,402.77	\$44,156.53	\$276,559.30	\$452,674.00	\$86,008.06	\$538,682.06	\$271,013.00	\$51,492.47	\$322,505.47	\$318,696.59	\$379,248.94
2515	Filtro de aire de motor externo 5280585 original de fabricante	UND	1	\$2,256,969.00	\$428,824.11	\$2,685,793.11	\$1,154,135.00	\$219,285.65	\$1,373,420.65	\$1,140,297.34	\$216,656.49	\$1,356,953.83	\$1,517,133.78	\$1,805,389.20
2516	Filtro de aire de motor interno 3466688	UND	1	\$553,189.00	\$105,105.91	\$658,294.91	\$502,248.60	\$95,427.23	\$597,675.83	\$1,002,965.00	\$190,563.35	\$1,193,528.35	\$686,134.20	\$816,499.70
2517	Juego de cuchillas (con tornillos y tercas)	UND	1	\$4,167,589.95	\$791,842.09	\$4,959,432.04	\$6,105,941.00	\$1,160,128.79	\$7,266,069.79	\$6,365,937.00	\$1,209,528.03	\$7,575,465.03	\$5,546,489.32	\$6,600,322.29
2518	juego de dientes blade boom con pasadores y pines	UND	1	\$8,938,595.00	\$1,698,333.05	\$10,636,928.05	\$6,281,676.45	\$1,193,518.53	\$7,475,194.98	\$9,199,204.00	\$1,747,848.76	\$10,947,052.76	\$8,139,825.15	\$9,686,391.93
2519	Filtro del sistema de aire acondicionado 417-8133	UND	1	\$1,937,184.00	\$368,064.96	\$2,305,248.96	\$1,052,370.00	\$199,950.30	\$1,252,320.30	\$1,221,811.00	\$232,144.09	\$1,453,955.09	\$1,403,788.33	\$1,670,508.12
2520	Empaquetadura cilindro hidraulico boom	UND	1	\$2,809,209.00	\$533,749.71	\$3,342,958.71	\$1,090,741.95	\$207,240.97	\$1,297,982.92	\$1,439,386.00	\$273,483.34	\$1,712,869.34	\$1,779,778.98	\$2,117,936.99
2521	Empaquetadura cilindro hidraulico arrastre (stick)	UND	1	\$1,256,287.00	\$238,694.53	\$1,494,981.53	\$895,852.80	\$170,212.03	\$1,066,064.83	\$1,609,520.00	\$305,808.80	\$1,915,328.80	\$1,253,886.60	\$1,492,125.05
2522	Empaquetadura cilindro hidraulico giro balde	UND	1	\$2,184,093.00	\$414,977.67	\$2,599,070.67	\$1,489,262.00	\$282,959.78	\$1,772,221.78	\$1,324,046.70	\$251,568.87	\$1,575,615.57	\$1,665,800.57	\$1,982,302.67
2523	Empaquetadura cilindro hidraulico giro pala	UND	1	\$990,853.20	\$188,262.11	\$1,179,115.31	\$1,972,774.00	\$374,827.06	\$2,347,601.06	\$1,469,100.00	\$279,129.00	\$1,748,229.00	\$1,477,575.73	\$1,758,315.12
2524	Empaquetadura cilindro hidraulico elevacion pala	UND	1	\$1,435,734.00	\$272,789.46	\$1,708,523.46	\$1,320,245.00	\$250,846.55	\$1,571,091.55	\$1,240,054.20	\$235,610.30	\$1,475,664.50	\$1,332,011.07	\$1,585,093.17
2525	Empaquetadura cilindro hidraulico estabilizadora	UND	1	\$2,095,228.00	\$398,093.32	\$2,493,321.32	\$2,083,458.00	\$395,857.02	\$2,479,315.02	\$1,433,133.00	\$272,295.27	\$1,705,428.27	\$1,870,606.33	\$2,226,021.54
2526	Empaquetadura cilindro hidraulico movimiento lateral boom (gemelos)	UND	1	\$2,106,646.00	\$400,262.74	\$2,506,908.74	\$2,166,884.00	\$411,707.96	\$2,578,591.96	\$1,731,919.95	\$329,064.79	\$2,060,984.74	\$2,001,816.65	\$2,382,161.81
2527	Empaquetadura cilindro hidraulico de direccion	UND	1	\$1,583,534.00	\$300,871.46	\$1,884,405.46	\$2,578,721.00	\$489,956.99	\$3,068,677.99	\$1,086,102.90	\$206,359.55	\$1,292,462.45	\$1,749,452.63	\$2,081,848.63
2528	Empaque tapa de valvulas	UND	1	\$391,865.40	\$74,454.43	\$466,319.83	\$539,456.00	\$102,496.64	\$641,952.64	\$506,946.00	\$96,319.74	\$603,265.74	\$479,422.47	\$570,512.74
2529	ROTULA DIRECCION	UND	1	\$2,508,178.95	\$476,554.00	\$2,984,732.95	\$4,411,462.00	\$838,177.78	\$5,249,639.78	\$2,808,735.00	\$533,659.65	\$3,342,394.65	\$3,242,791.98	\$3,858,922.46
2530	SELLO 1197045	UND	1	\$775,454.85	\$147,336.42	\$922,791.27	\$838,744.00	\$159,361.36	\$998,105.36	\$1,014,872.00	\$192,825.68	\$1,207,697.68	\$876,356.95	\$1,042,864.77
2531	SELLO 4858328	UND	1	\$1,106,979.00	\$210,326.01	\$1,317,305.01	\$1,691,737.00	\$321,430.03	\$2,013,167.03	\$993,858.30	\$188,833.08	\$1,182,691.38	\$1,264,191.43	\$1,504,387.81
2532	PIN 7X5771	UND	1	\$411,887.70	\$78,258.66	\$490,146.36	\$959,415.00	\$182,288.85	\$1,141,703.85	\$529,443.00	\$100,594.17	\$630,037.17	\$633,962.46	\$753,962.46
2533	PIN S/M	UND	1	\$376,625.70	\$71,558.88	\$448,184.58	\$765,620.00	\$145,467.80	\$911,087.80	\$452,237.00	\$85,925.03	\$538,162.03	\$531,494.23	\$632,478.14
2534	ARANDELA 2507732	UND	1	\$139,566.60	\$26,517.65	\$166,084.25	\$206,644.00	\$47,622.36	\$254,266.36	\$205,563.00	\$39,056.97	\$244,619.97	\$198,591.20	\$236,323.53
2535	BUJE 4826794	UND	1	\$796,949.10	\$151,420.33	\$948,369.43	\$867,011.00	\$164,732.09	\$1,031,743.09	\$1,438,150.00	\$273,248.50	\$1,711,398.50	\$1,034,036.70	\$1,230,503.67
2536	BUJE 2370944	UND	1	\$977,327.55	\$185,692.23	\$1,163,019.78	\$2,138,220.00	\$406,261.80	\$2,544,481.80	\$1,094,297.00	\$207,916.43	\$1,302,213.43	\$1,403,281.52	\$1,669,905.00
2537	PASADOR 3419483</													

ITEM	MOTONIVELADORA CATERPILLAR 120 K				UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS						VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION																
2546	CARCASA EXTERNA MANDO FINAL				UND	1	\$17,423,529.25	\$3,310,470.56	\$20,733,999.81	\$23,734,311.00	\$4,509,519.09	\$28,243,830.09	\$36,491,023.00	\$6,933,294.37	\$43,424,317.37	\$25,882,954.42	\$30,800,715.76
2547	PIÑONES PLANETARIOS				UND	1	\$2,876,937.00	\$546,618.03	\$3,423,555.03	\$3,404,448.00	\$646,845.12	\$4,051,293.12	\$2,263,083.85	\$429,985.93	\$2,693,069.78	\$2,848,156.28	\$3,389,305.98
2548	EJE SOLAR				UND	1	\$18,978,233.00	\$3,605,864.27	\$22,584,097.27	\$10,330,387.00	\$1,962,773.53	\$12,293,160.53	\$7,817,852.95	\$1,485,392.06	\$9,303,245.01	\$12,375,490.98	\$14,726,834.27
2549	CATARINA				UND	1	\$24,633,624.00	\$4,680,388.56	\$29,314,012.56	\$13,784,892.45	\$2,619,129.57	\$16,404,022.02	\$15,207,621.00	\$2,889,447.99	\$18,097,068.99	\$17,875,379.15	\$21,271,701.19
2550	PIN RUEDA				UND	1	\$422,989.00	\$80,367.91	\$503,356.91	\$234,642.00	\$44,581.98	\$279,223.98	\$222,090.30	\$42,197.16	\$264,287.46	\$293,240.43	\$348,956.12
2551	Pin eje centari mando final				UND	1	\$221,185.25	\$42,025.20	\$263,210.45	\$320,050.00	\$60,809.50	\$380,859.50	\$300,088.00	\$57,104.72	\$357,104.72	\$280,441.08	\$333,724.89
2552	FLAUTA MOTOR				UND	1	\$3,209,228.00	\$609,753.32	\$3,818,981.32	\$2,034,362.00	\$386,528.78	\$2,420,890.78	\$1,863,000.00	\$353,970.00	\$2,216,970.00	\$2,368,863.33	\$2,818,947.37
2553	BALANCIN ADMISIÓN				UND	1	\$1,249,664.00	\$237,436.16	\$1,487,100.16	\$563,730.00	\$107,108.70	\$670,838.70	\$739,702.00	\$140,543.38	\$880,245.38	\$851,032.00	\$1,012,728.08
2554	BALANCIN ESCAPE				UND	1	\$517,500.00	\$98,325.00	\$615,825.00	\$731,926.00	\$139,065.94	\$870,991.94	\$1,007,984.00	\$191,516.96	\$1,199,500.96	\$752,470.00	\$895,439.30
2555	RESORTE FLAUTA				UND	1	\$706,171.00	\$134,172.49	\$840,343.49	\$685,575.00	\$130,259.25	\$815,834.25	\$460,000.00	\$87,400.00	\$547,400.00	\$617,248.67	\$734,525.91
	MANO DE OBRA																
	DESCRIPCION				UNIDAD	CANT											
2556	Mantenimiento preventivo 250 horas				UND	1	\$1,425,460.00	\$270,837.40	\$1,696,297.40	\$1,015,639.00	\$192,971.41	\$1,208,610.41	\$760,341.60	\$144,464.90	\$904,806.50	\$1,067,146.87	\$1,269,904.77
2557	Mantenimiento preventivo 500 horas				UND	1	\$1,199,345.00	\$227,875.55	\$1,427,220.55	\$782,411.40	\$148,658.17	\$931,069.57	\$786,041.00	\$149,347.79	\$935,388.79	\$922,599.13	\$1,097,892.97
2558	Mantenimiento preventivo 1000 horas				UND	1	\$805,788.00	\$153,099.72	\$958,887.72	\$1,350,352.00	\$256,566.88	\$1,606,918.88	\$1,085,756.00	\$206,293.64	\$1,292,049.64	\$1,080,632.00	\$1,285,952.08
2559	Mantenimiento preventivo 2000 horas				UND	1	\$771,321.15	\$146,551.02	\$917,872.17	\$1,011,654.00	\$192,214.26	\$1,203,868.26	\$914,331.00	\$173,722.89	\$1,088,053.89	\$899,102.05	\$1,069,931.44
2560	Cambio De Dientes Del Boom (Incluye Corte De Tornillos O Pin)				CONJUNTO	1	\$801,002.00	\$152,190.38	\$953,192.38	\$610,430.40	\$115,981.78	\$726,412.18	\$947,686.00	\$180,060.34	\$1,127,746.34	\$786,372.80	\$935,783.63
2561	Cambio De Dientes Del Balde Delantero (Incluye Corte De Tornillos)				CONJUNTO	1	\$1,607,777.00	\$305,477.63	\$1,913,254.63	\$678,075.30	\$128,834.31	\$806,909.61	\$969,145.00	\$184,137.55	\$1,153,282.55	\$1,084,999.10	\$1,291,148.93
2562	Cambio De Cuchillas Del Balde Delantero (Incluye Corte De Tornillos)				CONJUNTO	1	\$816,026.00	\$155,044.94	\$971,070.94	\$1,206,954.00	\$229,321.26	\$1,436,275.26	\$715,326.30	\$135,912.00	\$851,238.30	\$912,768.77	\$1,086,194.83
2563	Despachada De Llantas Traseras (19.5 X24)				UND	1	\$293,558.00	\$55,776.02	\$349,334.02	\$257,897.00	\$49,000.43	\$306,897.43	\$250,420.00	\$47,579.80	\$297,999.80	\$267,291.67	\$318,077.08
2564	Montaje De Llantas traseras				UND	1	\$391,462.00	\$74,377.78	\$465,839.78	\$701,238.00	\$133,235.22	\$834,473.22	\$271,100.00	\$51,509.00	\$322,609.00	\$454,600.00	\$540,974.00
2565	Montaje De Llantas Delanteras				UND	1	\$267,402.00	\$50,806.38	\$318,208.38	\$520,927.00	\$98,976.13	\$619,903.13	\$238,150.00	\$45,248.50	\$283,398.50	\$342,159.67	\$407,170.00
2566	Despachada De Llantas delanteras				UND	1	\$255,465.00	\$48,538.35	\$304,003.35	\$460,603.00	\$87,514.57	\$548,117.57	\$250,420.00	\$47,579.80	\$297,999.80	\$322,162.67	\$383,373.57
2567	empaquetaduras				UND	1	\$1,041,003.00	\$197,790.57	\$1,238,793.57	\$849,976.65	\$161,495.56	\$1,011,472.21	\$1,722,388.00	\$327,253.72	\$2,049,641.72	\$1,204,455.88	\$1,433,302.50
2568	empaquetadura (un lado)				UND	1	\$1,701,985.00	\$323,377.15	\$2,025,362.15	\$895,533.30	\$170,151.33	\$1,065,684.63	\$949,683.00	\$180,439.77	\$1,130,122.77	\$1,182,400.43	\$1,407,056.52
2569	Desmontar y montar cilindro arrastre de boom para cambio de empaquetadura				UND	1	\$722,800.35	\$137,332.07	\$860,132.42	\$1,050,063.00	\$199,511.97	\$1,249,574.97	\$887,426.00	\$168,610.94	\$1,056,036.94	\$886,763.12	\$1,055,248.11
2570	Desmontar y montar cilindro del boom para cambio de empaquetadura				UND	1	\$1,638,347.00	\$311,285.93	\$1,949,632.93	\$791,865.45	\$150,454.44	\$942,319.89	\$820,113.00	\$155,821.47	\$975,934.47	\$1,083,441.82	\$1,289,295.76
2571	empaquetadura				UND	1	\$828,309.00	\$157,378.71	\$985,687.71	\$905,300.00	\$172,007.00	\$1,077,307.00	\$821,079.45	\$156,005.10	\$977,084.55	\$851,562.82	\$1,013,359.75
2572	cambio de empaquetadura (un solo lado)				UND	1	\$889,953.00	\$188,091.07	\$1,078,044.07	\$1,762,058.00	\$334,791.02	\$2,096,849.02	\$790,293.15	\$150,155.70	\$940,448.85	\$1,180,768.05	\$1,405,113.98
2573	Desmontar cilindro hidraulico de direccion para cambio de empaquetadura				UND	1	\$819,373.95	\$155,681.05	\$975,055.00	\$902,696.00	\$171,512.24	\$1,074,208.24	\$1,582,888.00	\$300,748.72	\$1,883,636.72	\$1,101,652.65	\$1,310,966.65
2574	Mantenimiento Sistema Hidráulico: Cambio De Filtros Aceites				UND	1	\$1,597,047.00	\$303,438.93	\$1,900,485.93	\$1,275,525.00	\$242,349.75	\$1,517,874.75	\$2,922,220.00	\$555,221.80	\$3,477,441.80	\$1,931,597.33	\$2,298,600.83
2575	Mantenimiento sistema de combustible lavado tanque				CONJUNTO	1	\$1,369,489.00	\$260,202.91	\$1,629,691.91	\$1,023,131.70	\$194,395.02	\$1,217,526.72	\$2,451,981.00	\$465,876.39	\$2,917,857.39	\$1,614,867.23	\$1,921,692.01
2576	Reparacion de embolo de botella hidraulica pequena con cambio de eje				UND	1	\$6,530,010.00	\$1,240,701.90	\$7,770,711.90	\$5,028,027.30	\$955,325.19	\$5,983,352.49	\$5,507,967.00	\$1,046,513.73	\$6,554,480.73	\$5,688,668.10	\$6,769,515.04
2577	Reparacion de embolo de botella hidraulica estabilizadora con cambio de eje				UND	1	\$18,767,524.00	\$3,565,829.56	\$22,333,353.56	\$8,065,208.70	\$1,532,389.65	\$9,597,598.35	\$11,052,495.00	\$2,099,974.05	\$13,152,469.05	\$12,628,409.23	\$15,027,806.99
2578	reparacion en torno eje diferencial delantero				UND	1	\$4,139,227.35	\$786,453.20	\$4,925,680.55	\$7,923,591.00	\$1,505,482.29	\$9,429,073.29	\$4,392,032.00	\$834,486.08	\$5,226,518.08	\$5,484,950.12	\$6,527,090.64
2579	Reparacion de cilindro hidraulico estabilizadora con cambio de camisa				UND	1	\$7,957,147.00	\$1,511,857.93	\$9,469,004.93	\$4,969,998.45	\$944,299.71	\$5,914,298.16	\$5,591,500.00	\$1,062,385.00	\$6,653,885.00	\$6,172,881.82	\$7,345,729.36
2580	Reparacion de piston de botella estabilizadora				UND	1	\$1,170,310.50	\$222,359.00	\$1,392,669.50	\$1,412,050.00	\$268,289.50	\$1,680,339.50	\$2,260,117.00	\$429,422.23	\$2,689,539.23	\$1,614,159.17	\$1,920,849.41
2581	REPARACION EMBOLO BOTELLA HIDRAULICA				UND	1	\$2,047,543.00	\$389,033.17	\$2,436,576.17	\$1,181,808.58	\$224,543.63	\$1,406,352.21	\$1,641,834.00	\$311,948.46	\$1,953,782.46	\$1,623,728.53	\$1,932,236.95
2582	D/M TAPA VALVULAS				UND	1	\$848,205.80	\$161,159.10	\$1,009,364.90	\$1,124,280.00	\$213,613.20	\$1,337,893.20	\$1,044,462.00	\$198,447.78	\$1,242,909.78	\$1,005,649.27	\$1,196,722.63
2583	D/M BALANCIN				UND	1	\$1,320,962.87	\$250,982.95	\$1,571,945.82	\$1,836,800.00	\$348,992.00	\$2,185,792.00	\$2,059,511.00	\$391,307.09	\$2,450,818.09	\$1,739,091.29	\$2,069,518.64
2584	D/M FLAUTA				UND	1	\$583,800.00	\$110,922.00	\$694,722.00	\$1,360,458.00	\$258,487.02	\$1,618,945.02	\$854,632.00	\$162,380.08	\$1,017,012.08	\$932,963.33	\$1,110,226.37
	EXCAVADORA HDRIULICA 320GC CATERPILLAR																
	REPUESTOS																
	DESCRIPCION				UNIDAD	CANT											
2585	Filtro de aceite de motor 3223155original de fabricante				UND	1	\$985,911.00	\$187,323.09	\$1,173,234.09	\$427,238.15	\$81,175.25	\$508,413.40	\$566,629.00	\$107,659.51	\$674,288.51	\$659,926.05	\$785,312.00
2586	Filtro de combustible 5095694 original de fabrica				UND	1	\$599,686.74	\$113,940.48	\$713,627.22	\$1,144,637.00	\$217,481.03	\$1,362,118.03	\$818,700.00	\$155,553.00	\$974,253.00	\$854,341.25	\$1,016,666.08
2587	Filtro separado de combustible 5234987 original de fabricante				UND	1	\$803,988.59	\$152,757.83	\$956,746.42	\$1,133,718.00	\$215,406.42	\$1,349,124.42	\$1,075,263.00	\$204,299.97	\$1,279,562.97	\$1,004,323.20	\$1,195,144.60
2588	Filtro reclaim GP 4798987 original de fabrica				UND	1	\$1,617,130.58	\$307,254.81	\$1,924,385.39	\$1,886,670.00	\$358,467.30	\$2,245,137.30	\$3,479,738.00	\$661,150.22	\$4,140,888.22	\$2,327,846.19	\$2,770,136.97
2589	Filtro de aire externo 4798989				UND	1	\$3,312,503.00	\$629,375.57	\$3,941,878.57	\$4,638,574.00	\$881,329.06	\$5,519,903.06	\$2,300,141.21	\$437,026.83	\$2,737,168.04	\$3,417,072.74	\$4,066,316.56
2590	Filtro de aire interno 4798991				UND	1	\$840,990.00	\$159,788.10	\$1,000,778.10	\$1,638,609.00	\$311,335.71	\$1,949,944.71	\$852,595.00	\$161,993.05	\$1,014,588.05	\$1,110,731.33	\$1,321,770.29
2591	Empaquetadura botella boom				UND	1	\$7,865,272.00	\$1,494,401.68	\$9,359,673.68	\$13,793,390.00	\$2,620,744.10	\$16,414,134.10	\$5,709,872.70	\$1,084,875.81	\$6,794,748.51	\$9,122,844.90	\$10,856,185.43
2592	Empaquetadura botella stick				UND	1	\$12,882,546.00	\$2,447,683.74	\$15,330,229.74	\$5,383,476.30	\$1,022,860.50	\$6,406,336.80	\$7,561,501.00	\$1,436,685.19	\$8,998,186.19	\$8,609,174.43	\$10,244,917.58
2593	Empaquetadura botella balde				UND	1	\$4,581,436.50	\$870,472.94	\$5,451,909.44	\$8,563,363.00	\$1,627,038.97	\$10,190,401.97	\$4,635,339.00	\$880,714.41	\$5,516,053.41	\$5,526,712.83	\$7,052,788.27
2594	Filtro del sistema hidraulico				UND	1	\$972,407.43	\$184,754.41	\$1,157,164.84	\$1,2							

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO		
	REPUESTOS					VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA	
	DESCRIPCION																
2600	tuerca de seguridad				UND	1	\$110,220.00	\$20,941.80	\$131,161.80	\$163,840.00	\$31,129.60	\$194,969.60	\$123,861.00	\$23,533.59	\$147,394.59	\$132,640.33	\$157,842.00
2601	TORNILLO 1/2				UND	1	\$110,220.00	\$20,941.80	\$131,161.80	\$135,371.00	\$25,720.49	\$161,091.49	\$223,805.00	\$42,522.95	\$266,327.95	\$156,465.33	\$186,193.75
2602	TUERCA SEGURIDAD 1/2				UND	1	\$31,234.00	\$5,934.46	\$37,168.46	\$59,020.00	\$11,213.80	\$70,233.80	\$27,880.00	\$5,297.20	\$33,177.20	\$39,378.00	\$46,859.82
2603	PIN TALLA 35				UND	1	\$230,654.00	\$43,824.26	\$274,478.26	\$163,085.00	\$30,986.15	\$194,071.15	\$120,990.00	\$22,988.10	\$143,978.10	\$171,576.33	\$204,175.84
2604	CAZUELA TALLE 35				UND	1	\$207,395.00	\$39,405.05	\$246,800.05	\$359,986.00	\$68,397.34	\$428,383.34	\$180,990.00	\$34,388.10	\$215,378.10	\$249,457.00	\$296,853.83
2605	pasador t 40				UND	1	\$1,698,192.00	\$322,656.48	\$2,020,848.48	\$1,933,857.00	\$367,432.83	\$2,301,289.83	\$2,085,613.00	\$396,266.47	\$2,481,879.47	\$1,905,887.33	\$2,268,005.93
2606	PASADOR 80X543				UND	1	\$6,782,648.00	\$1,288,703.12	\$8,071,351.12	\$3,356,275.20	\$637,692.29	\$3,993,967.49	\$4,569,272.00	\$868,161.68	\$5,437,433.68	\$4,902,731.73	\$5,834,250.76
2607	BUJE 80X95X75				UND	1	\$2,984,579.00	\$567,070.01	\$3,551,649.01	\$4,394,109.00	\$834,880.71	\$5,228,989.71	\$2,086,038.00	\$396,347.22	\$2,482,385.22	\$3,154,908.67	\$3,754,341.31
2608	BUJE 80X95X70				UND	1	\$1,827,583.20	\$347,240.81	\$2,174,824.01	\$3,586,035.00	\$681,346.65	\$4,267,381.65	\$2,736,250.00	\$519,887.50	\$3,256,137.50	\$2,716,622.73	\$3,232,781.05
2609	BUJE TUNEL 80X95X80				UND	1	\$2,192,628.60	\$416,599.43	\$2,609,228.03	\$2,499,175.00	\$474,843.25	\$2,974,018.25	\$3,090,136.00	\$587,125.84	\$3,677,261.84	\$2,593,979.87	\$3,086,836.04
2610	BUJE TUNEL 70X85X70				UND	1	\$2,471,461.65	\$469,577.71	\$2,941,039.36	\$3,221,229.00	\$612,033.51	\$3,833,262.51	\$5,326,290.00	\$1,011,995.10	\$6,338,285.10	\$3,672,993.55	\$4,370,862.32
2611	ARANDELA 80MM				UND	1	\$131,280.30	\$24,943.26	\$156,223.56	\$322,214.00	\$61,220.66	\$383,434.66	\$169,598.00	\$32,223.62	\$201,821.62	\$207,697.43	\$247,159.95
2612	cazuela pasador diente t 40				UND	1	\$443,142.00	\$84,196.98	\$527,338.98	\$312,321.00	\$59,340.99	\$371,661.99	\$239,116.05	\$45,432.05	\$284,548.10	\$331,526.35	\$394,516.36
2613	EMPAQUETADURA TURBO				UND	1	\$2,122,511.00	\$403,277.09	\$2,525,788.09	\$5,341,876.00	\$1,014,956.44	\$6,356,832.44	\$2,878,382.00	\$546,892.58	\$3,425,274.58	\$3,447,589.67	\$4,102,631.70
2614	CATRIDGE TURBO				UND	1	\$5,970,610.00	\$1,134,415.90	\$7,105,025.90	\$7,286,702.00	\$1,384,473.38	\$8,671,175.38	\$13,903,996.00	\$2,641,759.24	\$16,545,755.24	\$9,053,769.33	\$10,773,985.51
2615	EMBOLO CROMADO BOTELLA HIDRAULICA				UND	1	\$11,108,018.00	\$2,110,523.42	\$13,218,541.42	\$4,550,320.00	\$864,560.80	\$5,414,880.80	\$5,672,086.00	\$1,077,696.34	\$6,749,782.34	\$7,110,141.33	\$8,461,068.19
	MANO DE OBRA																
	DESCRIPCION				UNIDAD	CANT											
2616	Mantenimiento preventivo 250 horas				UND	1	\$1,817,106.00	\$345,250.14	\$2,162,356.14	\$996,259.80	\$189,289.36	\$1,185,549.16	\$1,483,172.00	\$281,802.68	\$1,764,974.68	\$1,432,179.27	\$1,704,293.33
2617	Mantenimiento preventivo 500 horas				UND	1	\$1,198,682.00	\$227,749.58	\$1,426,431.58	\$1,109,257.20	\$210,758.87	\$1,320,016.07	\$2,248,329.00	\$427,182.51	\$2,675,511.51	\$1,518,756.07	\$1,807,319.72
2618	Mantenimiento preventivo 1000 horas				UND	1	\$1,217,929.80	\$231,406.66	\$1,449,336.46	\$1,443,769.00	\$274,316.11	\$1,718,085.11	\$1,953,939.00	\$371,248.41	\$2,325,187.41	\$1,538,545.93	\$1,830,869.66
2619	Mantenimiento preventivo 2000 horas				UND	1	\$1,566,211.00	\$297,580.09	\$1,863,791.09	\$1,731,757.00	\$329,033.83	\$2,060,790.83	\$1,116,613.80	\$212,156.62	\$1,328,770.42	\$1,471,527.27	\$1,751,117.45
2620	Mantenimiento De Motor: Cambio De Filtros y Aceites				UND	1	\$1,472,893.00	\$279,849.67	\$1,752,742.67	\$2,170,733.00	\$412,439.27	\$2,583,172.27	\$1,078,241.40	\$204,865.87	\$1,283,107.27	\$1,573,955.80	\$1,873,007.40
2621	Mantenimiento Hidráulico: Cambio De Aceite y Filtros				UND	1	\$1,354,080.60	\$257,275.31	\$1,611,355.91	\$2,184,856.00	\$415,122.64	\$2,599,978.64	\$1,408,163.00	\$267,550.97	\$1,675,713.97	\$1,649,033.20	\$1,962,349.51
2622	Desmontar y montar cilindro stick arrastre para cambio de empaquetadura				UND	1	\$1,736,185.00	\$329,875.15	\$2,066,060.15	\$1,184,956.20	\$225,141.68	\$1,410,097.88	\$3,371,718.00	\$640,626.42	\$4,012,344.42	\$2,097,619.73	\$2,496,167.48
2623	Desmontar y montar cilindro stick arrastre para cambio de bujes y pasadores				UND	1	\$1,048,891.80	\$199,289.44	\$1,248,181.24	\$1,262,836.00	\$239,938.84	\$1,502,774.84	\$2,401,562.00	\$456,296.78	\$2,857,858.78	\$1,571,096.60	\$1,869,604.95
2624	Desmontar y montar cilindro balde para cambio de empaquetadura				UND	1	\$1,391,770.00	\$264,436.30	\$1,656,206.30	\$1,103,787.00	\$209,719.53	\$1,313,506.53	\$1,300,203.00	\$247,038.57	\$1,547,241.57	\$1,265,253.33	\$1,505,651.47
2625	Desmontar y montar cilindro balde para cambio de bujes y pasadores				UND	1	\$2,033,964.00	\$386,453.16	\$2,420,417.16	\$1,275,969.60	\$242,434.22	\$1,518,403.82	\$1,863,399.00	\$354,045.81	\$2,217,444.81	\$1,724,444.20	\$2,052,088.60
2626	Lavado sistema hidráulico				UND	1	\$1,108,434.00	\$210,602.46	\$1,319,036.46	\$2,507,558.00	\$476,436.02	\$2,983,994.02	\$1,556,321.00	\$295,700.99	\$1,852,021.99	\$1,724,104.33	\$2,051,684.16
2627	Servicio de escaner				UND	1	\$936,152.40	\$177,868.96	\$1,114,021.36	\$941,905.00	\$178,961.95	\$1,120,866.95	\$946,528.00	\$179,840.32	\$1,126,368.32	\$941,528.47	\$1,120,418.88
2628	Sevicio de grua en camabaja incluido cabezote precio por kilometros				UND	1	\$100,424.00	\$19,080.56	\$119,504.56	\$138,701.00	\$26,353.19	\$165,054.19	\$84,034.00	\$15,966.73	\$100,002.13	\$107,720.13	\$128,186.96
2629	REPARACION TURBO				UND	1	\$2,950,320.00	\$560,560.80	\$3,510,880.80	\$3,870,631.00	\$735,419.89	\$4,606,050.89	\$6,760,435.00	\$1,284,482.65	\$8,044,917.65	\$4,527,128.67	\$5,387,283.11
2630	DM TURBO				UND	1	\$1,041,153.00	\$197,819.07	\$1,238,972.07	\$750,990.00	\$142,688.10	\$893,678.10	\$1,612,960.00	\$306,462.40	\$1,919,422.40	\$1,135,034.33	\$1,350,690.86
2631	SERVICIO CALIBRACIÓN TURBO				UND	1	\$2,177,293.00	\$413,685.67	\$2,590,978.67	\$994,580.00	\$188,970.20	\$1,183,550.20	\$1,276,746.00	\$242,581.74	\$1,519,327.74	\$1,482,873.00	\$1,764,618.87
2632	MAQUINADO FABRICACIÓN ROSCA BOTELLA HIDRAULICA				UND	1	\$3,141,586.00	\$596,901.34	\$3,738,487.34	\$2,420,550.00	\$459,904.50	\$2,880,454.50	\$5,724,744.00	\$1,087,701.36	\$6,812,445.36	\$3,762,293.33	\$4,477,129.07
	BULDOZER D4 CATERPILLAR AÑO 2021																
	REPUESTOS																
	DESCRIPCION				UNIDAD	CANT											
2633	Filtro separador de combustible 4395037 original de fabrica				UND	1	\$768,850.79	\$146,081.65	\$914,932.44	\$1,825,105.00	\$346,769.95	\$2,171,874.95	\$1,087,248.00	\$206,577.12	\$1,293,825.12	\$1,227,067.93	\$1,460,210.84
2634	Filtro de combustible 3608960 original de fabricante				UND	1	\$622,759.00	\$118,324.21	\$741,083.21	\$419,537.47	\$79,712.12	\$499,249.59	\$784,616.00	\$149,077.04	\$933,693.04	\$608,970.82	\$724,675.28
2635	Filtro de aceite de motor 4621171 original de fabricante				UND	1	\$478,110.00	\$90,840.90	\$568,950.90	\$469,603.00	\$89,224.57	\$558,827.57	\$324,876.83	\$61,726.60	\$386,603.43	\$424,196.61	\$504,793.97
2636	Filtro aire interno 5290132				UND	1	\$734,913.00	\$139,633.47	\$874,546.47	\$859,107.00	\$163,230.33	\$1,022,337.33	\$499,988.00	\$161,497.72	\$1,011,485.72	\$814,669.33	\$969,456.51
2637	Filtro aire externo 5287222				UND	1	\$1,022,390.10	\$194,254.12	\$1,216,644.22	\$1,194,232.00	\$226,904.08	\$1,421,136.08	\$2,304,380.00	\$437,832.20	\$2,742,212.20	\$1,507,000.70	\$1,793,330.83
2638	Filtro 3891079				UND	1	\$1,786,367.00	\$339,409.73	\$2,125,776.73	\$1,204,979.90	\$228,946.18	\$1,433,926.08	\$2,327,574.00	\$442,239.06	\$2,769,813.06	\$1,772,973.63	\$2,109,838.62
2639	FILTRO HIDRAULICO 389-1079				UND	1	\$1,478,225.00	\$280,862.75	\$1,759,087.75	\$1,368,021.55	\$259,924.09	\$1,627,945.64	\$1,368,640.00	\$260,041.60	\$1,628,681.60	\$1,404,962.18	\$1,671,905.00
2640	Empaquetadura cilindro hidraulico de levante				UND	1	\$1,860,867.00	\$353,564.73	\$2,214,431.73	\$3,051,356.00	\$579,757.64	\$3,631,113.64	\$1,865,768.00	\$354,495.92	\$2,220,263.92	\$2,259,330.33	\$2,688,603.10
2641	Empaquetadura cilindro hidraulico de giro topadora				UND	1	\$2,049,674.63	\$389,438.18	\$2,439,112.81	\$2,653,008.00	\$504,071.52	\$3,157,079.52	\$3,534,525.00	\$671,559.75	\$4,206,084.75	\$2,745,735.88	\$3,267,425.69
2642	Cuchillas				UND	1	\$1,860,651.57	\$353,523.80	\$2,214,175.37	\$3,046,791.00	\$578,890.29	\$3,625,681.29	\$2,302,325.00	\$437,441.75	\$2,739,766.75	\$2,403,255.86	\$2,859,874.47
2643	Esquineros para la pala				UND	1	\$2,585,320.00	\$491,210.80	\$3,076,530.80	\$5,139,719.00	\$976,546.61	\$6,116,265.61	\$3,499,125.00	\$664,833.75	\$4,163,958.75	\$3,741,388.00	\$4,452,251.72
2644	rueda tensora completa				UND	1	\$32,646,707.00	\$6,202,874.33	\$38,849,581.33	\$52,808,672.00	\$10,033,647.68	\$62,842,319.68	\$26,546,285.70	\$5,043,794.28	\$31,590,079.98	\$37,333,888.23	\$44,427,327.00
2645	Tornillos con tuerca para las cuchillas				UND	1	\$206,725.00	\$39,277.75	\$246,002.75	\$131,276.70	\$24,942.57	\$156,219.27	\$137,321.00	\$26,090.99	\$163,411.99	\$158,440.90	\$188,544.67
	MANO DE OBRA																
	DESCRIPCION				UNIDAD	CANT											

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS		DESCRIPCION			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
2652			Servicio de diagnostico escaner	UND	1	\$1,075,580.78	\$204,360.35	\$1,279,941.13	\$1,104,083.00	\$209,775.77	\$1,313,858.77	\$2,110,432.00	\$400,982.08	\$2,511,414.08	\$1,430,031.93	\$1,701,737.99
2653			Mantenimiento De Motor: Cambio De Filtros, Aceites	UND	1	\$1,250,320.00	\$237,560.80	\$1,487,880.80	\$2,873,897.00	\$546,040.43	\$3,419,937.43	\$1,720,694.00	\$326,931.86	\$2,047,625.86	\$1,948,303.67	\$2,318,481.36
2654			Mantenimiento Hidráulico: Cambio De Aceite, Filtros	UND	1	\$1,411,699.73	\$268,222.95	\$1,679,922.68	\$1,724,792.00	\$327,710.48	\$2,052,502.48	\$1,793,359.00	\$340,738.21	\$2,134,097.21	\$1,643,283.58	\$1,955,507.46
2655			Cambio De Cuchillas Con Sus Tornillos Y Tuercas	CONJUNTO	1	\$990,880.00	\$188,267.20	\$1,179,147.20	\$1,716,773.00	\$326,186.87	\$2,042,959.87	\$1,423,749.00	\$270,512.31	\$1,694,261.31	\$1,377,134.00	\$1,638,789.46
2656			Cambio De Esquinas Con Sus Tornillos Y Tuercas	CONJUNTO	1	\$1,175,336.33	\$223,313.90	\$1,398,650.23	\$1,379,003.00	\$262,010.57	\$1,641,013.57	\$1,786,136.00	\$339,365.84	\$2,125,501.84	\$1,446,825.11	\$1,721,721.88
2657			Cambio de manguera hidráulicas (una con otra)	UND	1	\$1,699,737.00	\$322,950.03	\$2,022,687.03	\$1,155,771.45	\$219,596.58	\$1,375,368.03	\$1,609,960.00	\$305,892.40	\$1,915,852.40	\$1,488,489.48	\$1,771,302.49
2658			Desmontar y montar rueda tensora	UND	1	\$2,885,550.00	\$548,254.50	\$3,433,804.50	\$2,901,650.00	\$551,313.50	\$3,452,963.50	\$3,603,287.00	\$684,624.53	\$4,287,911.53	\$3,130,162.33	\$3,724,893.18
2659			Servicio de grua en camabaja incluido cabezote precio por kilometros	UND	1	\$120,445.00	\$22,884.55	\$143,329.55	\$97,190.55	\$18,466.20	\$115,656.75	\$237,960.00	\$45,212.40	\$283,172.40	\$151,665.18	\$180,719.57
VIBROCOMPACTADOR CS44B CATERPILLAR																
REPUESTOS																
			DESCRIPCION	UNIDAD	CANT											
2660			Filtro combustible 3608960	UND	1	\$881,391.00	\$167,464.29	\$1,048,855.29	\$731,616.00	\$139,007.04	\$870,623.04	\$509,493.65	\$96,803.79	\$606,297.44	\$707,500.22	\$841,925.26
2661			Filtro separado combustible 4395037 original de fabricante	UND	1	\$1,093,358.00	\$207,738.02	\$1,301,096.02	\$1,243,459.00	\$236,257.21	\$1,479,716.21	\$783,445.77	\$148,854.70	\$932,300.47	\$1,040,087.59	\$1,237,704.23
2662			Filtro sistema hidraulico 1G-8878	UND	1	\$1,581,046.00	\$300,398.74	\$1,881,444.74	\$3,069,945.00	\$583,289.55	\$3,653,234.55	\$1,353,791.88	\$257,220.46	\$1,611,012.34	\$2,001,594.29	\$2,381,897.21
2663			Filtro aceite 7W-2326	UND	1	\$255,388.55	\$48,523.82	\$303,912.37	\$451,309.00	\$85,748.71	\$537,057.71	\$271,866.00	\$51,654.54	\$323,520.54	\$326,187.85	\$388,163.54
2664			Filtro aire 2229021 as secundario	UND	1	\$637,189.00	\$121,065.91	\$758,254.91	\$617,799.15	\$117,381.84	\$735,180.99	\$791,580.00	\$150,400.20	\$941,980.20	\$682,189.38	\$811,805.37
2665			Filtro aire 2229020 as primario	UND	1	\$979,402.00	\$186,086.38	\$1,165,488.38	\$1,627,520.00	\$309,228.80	\$1,936,748.80	\$710,220.00	\$134,941.80	\$845,161.80	\$1,105,714.00	\$1,315,799.66
2666			Empaquetadura cilindro hidraulico de direccion	UND	1	\$2,323,228.00	\$441,413.32	\$2,764,641.32	\$1,803,562.20	\$342,676.82	\$2,146,239.02	\$2,408,614.00	\$457,636.66	\$2,866,250.66	\$2,178,468.07	\$2,592,377.00
2667			Empaquetadura motor hidraulico de vibracion	UND	1	\$8,689,155.00	\$1,650,939.45	\$10,340,094.45	\$3,576,626.55	\$679,559.04	\$4,256,185.59	\$5,281,745.00	\$1,003,531.55	\$6,285,276.55	\$5,849,175.52	\$6,960,518.86
2668			Pernos rueda	UND	1	\$449,887.00	\$85,478.53	\$535,365.53	\$404,949.15	\$76,940.34	\$481,889.49	\$510,309.00	\$96,958.71	\$607,267.71	\$455,048.38	\$541,507.58
2669			Tuerca de perno rueda	UND	1	\$79,113.60	\$15,031.58	\$94,145.18	\$195,495.00	\$37,144.05	\$232,639.05	\$111,699.00	\$21,222.81	\$132,921.81	\$128,769.20	\$153,235.35
2670			llantas trasera	UND	1	\$8,460,990.00	\$1,607,588.10	\$10,068,578.10	\$8,903,468.00	\$1,691,658.92	\$10,595,126.92	\$11,429,705.00	\$2,171,643.95	\$13,601,348.95	\$9,598,054.33	\$11,421,684.66
2671			ARANDELA POSCIONAMIENTO CIGÜENAL	UND	1	\$5,116,267.00	\$972,090.73	\$6,088,357.73	\$4,997,870.00	\$949,595.30	\$5,947,465.30	\$7,582,003.00	\$1,440,580.57	\$9,022,583.57	\$5,898,713.33	\$7,019,468.87
2672			LUBRICADOR MOTOR	UND	1	\$820,514.00	\$155,897.66	\$976,411.66	\$751,288.00	\$142,744.72	\$894,032.72	\$926,389.00	\$176,013.91	\$1,102,402.91	\$832,730.33	\$990,949.10
2673			TORNILLO LUBRICADOR	UND	1	\$27,975.00	\$13,865.25	\$41,840.25	\$40,823.00	\$7,756.37	\$48,579.37	\$30,951.00	\$5,880.69	\$36,831.69	\$48,249.67	\$57,417.10
2674			SENSOR POSICION CIGÜENAL R12589958	UND	1	\$5,491,812.00	\$1,043,444.28	\$6,535,256.28	\$3,301,863.00	\$627,353.97	\$3,929,216.97	\$2,520,210.00	\$478,839.90	\$2,999,049.90	\$3,771,295.00	\$4,487,841.05
MANO DE OBRA																
			DESCRIPCION	UNIDAD	CANT											
2675			Mantenimiento preventivo 250 horas	UND	1	\$1,545,111.00	\$293,571.09	\$1,838,682.09	\$1,159,127.55	\$220,234.23	\$1,379,361.78	\$2,199,979.00	\$417,996.01	\$2,617,975.01	\$1,634,739.18	\$1,945,339.63
2676			Mantenimiento preventivo 500 horas	UND	1	\$1,526,689.00	\$290,070.91	\$1,816,759.91	\$1,262,511.23	\$239,877.13	\$1,502,388.36	\$1,652,819.90	\$314,035.61	\$1,966,854.61	\$1,480,673.08	\$1,762,000.96
2677			Mantenimiento preventivo 1000 horas	UND	1	\$1,426,818.00	\$271,095.42	\$1,697,913.42	\$2,125,779.00	\$403,898.01	\$2,529,677.01	\$1,312,223.62	\$249,322.49	\$1,561,546.11	\$1,621,606.87	\$1,929,712.18
2678			Mantenimiento preventivo 2000 horas	UND	1	\$1,951,292.00	\$370,745.48	\$2,322,037.48	\$1,091,667.38	\$207,416.80	\$1,299,084.18	\$1,380,672.00	\$262,327.68	\$1,642,999.68	\$1,474,543.79	\$1,754,707.11
2679			Desmontar y montar motor de vibracion rodillo compactador	UND	1	\$5,027,446.58	\$955,214.85	\$5,982,661.43	\$13,915,235.00	\$2,643,894.65	\$16,559,129.65	\$7,398,945.00	\$1,405,799.55	\$8,804,744.55	\$8,780,542.19	\$10,448,845.21
2680			Mantenimiento De Motor: Cambio De Filtros y aceites	UND	1	\$1,401,846.08	\$266,350.75	\$1,668,196.83	\$1,832,874.00	\$348,246.06	\$2,181,120.06	\$2,838,409.00	\$539,297.71	\$3,377,706.71	\$2,024,376.36	\$2,409,007.87
2681			Mantenimiento Hidráulico: Cambio De Aceite y filtros	UND	1	\$1,324,333.80	\$251,623.42	\$1,575,957.22	\$1,382,840.00	\$262,739.60	\$1,645,579.60	\$1,548,358.00	\$294,188.02	\$1,842,546.02	\$1,418,510.60	\$1,688,027.61
2682			Vulcanizada de llanta	UND	1	\$348,433.00	\$66,202.27	\$414,635.27	\$340,820.00	\$64,755.80	\$405,575.80	\$346,552.00	\$65,844.88	\$412,396.88	\$345,268.33	\$410,869.32
2683			Desmontar y montar lanta trasera	UND	1	\$440,390.00	\$83,674.10	\$524,064.10	\$702,211.00	\$133,420.09	\$835,631.09	\$580,828.00	\$110,357.32	\$691,185.32	\$574,476.33	\$683,626.84
2684			Despachada de llanta	UND	1	\$250,420.00	\$47,579.80	\$297,999.80	\$557,834.00	\$105,988.46	\$663,822.46	\$369,080.00	\$70,125.20	\$439,205.20	\$392,444.67	\$467,009.15
2685			Mantenimiento a las lineas de combustible	CONJUNTO	1	\$1,781,936.00	\$338,567.84	\$2,120,503.84	\$1,655,610.00	\$314,565.90	\$1,970,175.90	\$1,178,703.23	\$223,953.61	\$1,402,656.84	\$1,538,749.74	\$1,831,112.19
2686			Servicio de grua en camabaja incluido cabezote precio por kilometros	UND	1	\$190,695.00	\$36,232.05	\$226,927.05	\$93,594.82	\$17,783.02	\$111,377.84	\$105,350.00	\$20,016.50	\$125,366.50	\$129,879.94	\$154,557.13
VIBROCOMPACTADOR DOBLE RODILLO CB2,7																
			REPUESTOS	UNIDAD	CANT											
2687			Filtro de combustible 184-3931	UND	1	\$1,503,600.00	\$285,684.00	\$1,789,284.00	\$954,444.00	\$181,344.36	\$1,135,788.36	\$640,990.00	\$121,788.10	\$762,778.10	\$1,033,011.33	\$1,229,283.49
2688			Filtro trampa de combustible 067-6987	UND	1	\$414,963.00	\$78,842.97	\$493,805.97	\$238,264.33	\$45,270.22	\$283,534.55	\$282,778.00	\$53,727.82	\$336,505.82	\$312,001.78	\$371,282.11
2689			Filtro de aceite de motor 220-1523	UND	1	\$480,150.00	\$91,228.50	\$571,378.50	\$282,910.72	\$53,753.04	\$336,663.76	\$357,228.00	\$67,873.32	\$425,101.32	\$373,429.57	\$444,381.19
2690			Filtro AK-50	UND	1	\$2,695,818.11	\$512,205.44	\$3,208,023.55	\$3,957,470.00	\$751,919.30	\$4,709,389.30	\$5,446,520.00	\$1,034,838.80	\$6,481,358.80	\$4,033,269.37	\$4,799,590.55
2691			Filtro de aire interno 146-7473	UND	1	\$501,825.78	\$95,346.90	\$597,172.68	\$511,279.00	\$97,143.01	\$608,422.01	\$626,584.00	\$119,050.96	\$745,634.96	\$546,562.93	\$650,409.88
2692			Filtro de aire externo 121-3661	UND	1	\$785,398.00	\$149,225.62	\$934,623.62	\$445,489.88	\$84,643.08	\$530,132.96	\$633,493.00	\$120,363.67	\$753,856.67	\$621,460.29	\$739,537.75
MANO DE OBRA																
			DESCRIPCION	UNIDAD	CANT											
2693			Mantenimiento preventivo 250 horas	UND	1	\$535,335.00	\$101,713.65	\$637,048.65	\$773,050.00	\$146,879.50	\$919,929.50	\$1,455,979.00	\$276,636.01	\$1,732,615.01	\$921,454.67	\$1,096,531.05
2694			Mantenimiento preventivo 500 horas	UND	1	\$672,290.00	\$127,735.10	\$800,025.10	\$1,048,169.00	\$199,152.11	\$1,247,321.11	\$491,703.30	\$93,423.63	\$585,126.93	\$737,387.43	\$877,491.05
2695			Mantenimiento preventivo 1000 horas	UND	1	\$824,225.00	\$156,602.75	\$980,827.75	\$629,494.20	\$119,603.90	\$749,098.10	\$1,352,040.00	\$256,887.60	\$1,608,927.60	\$935,253.07	\$1,112,951.15
2696			Mantenimiento preventivo 2000 horas	UND	1	\$569,302.80	\$108,167.53	\$677,470.33	\$919,324.00	\$174,671.56	\$1,093,995.56	\$769,253.00	\$146,158.07	\$915,411.07	\$752,626.60	\$895,625.65
2697			Mantenimiento De Motor: Cambio De Filtros y aceites	UND	1	\$886,939.00	\$168,518.41	\$1,055,457.41	\$683,882.00	\$129,937.58	\$813,819.58	\$625,934.10	\$118,927.48	\$744,861.58	\$732,251.70	\$871,379.32
2698			Mantenimiento Hidráulico: Cambio De Aceite y filtros	UND	1	\$1,263,313.00	\$240,029.47	\$1,503,342.47	\$662,308.00	\$125,838.52	\$788,146.52	\$601,184.10	\$114,224.98	\$715,409.08	\$642,268.37	\$1,002,299.56
2699			Mantenimiento a las lineas de combustible	CONJUNTO	1	\$619,479.30	\$117,701.07	\$737,180.37	\$957,995.00	\$182,019.05	\$1,140,014.05	\$900,844.00	\$171,160.36	\$1,072,004.36	\$826,106.10	\$983,066.26
2700			Servicio de grua en camabaja incluido cabezote precio por kilometros	UND	1	\$47,329.00	\$8,992.51	\$56,321.51	\$62,651.00	\$11,903.69	\$74,554.69	\$45,135.60	\$8,575.76	\$53,711.36	\$51,705.20	\$61,529.19
VOLQUETA INTERNATIONAL MV607 SBA 4X2 AÑO																

ITEM	MOTONIVELADORA CATERPILLAR 120 K				UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS						VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION																
	REPUESTOS																
	DESCRIPCION				UNIDAD	CANT											
2701	ELEMENTO FILTRO AIRE				UND	1	\$1,122,821.00	\$213,335.99	\$1,336,156.99	\$1,178,423.00	\$223,900.37	\$1,402,323.37	\$777,523.05	\$147,729.38	\$925,252.43	\$1,026,255.68	\$1,221,244.26
2702	FILTRO ACEITE ISB-225				UND	1	\$754,174.00	\$143,293.06	\$897,467.06	\$506,759.90	\$96,284.38	\$603,044.28	\$1,273,134.00	\$241,895.46	\$1,515,029.46	\$844,689.30	\$1,005,180.27
2703	FILTRO HIDRAULICO				UND	1	\$1,571,112.00	\$298,511.28	\$1,869,623.28	\$1,272,598.50	\$241,793.71	\$1,514,392.21	\$1,611,703.00	\$306,223.57	\$1,917,926.57	\$1,485,137.83	\$1,767,314.02
2704	FILTRO AIRE PANEL VENTILACION				UND	1	\$1,207,522.20	\$229,429.22	\$1,436,951.42	\$1,339,744.00	\$254,551.36	\$1,594,295.36	\$2,045,565.00	\$388,657.35	\$2,434,222.35	\$1,530,943.73	\$1,821,823.04
2705	FILTRO COMBUSTIBLE MOTOR				UND	1	\$480,000.00	\$91,200.00	\$571,200.00	\$1,235,477.00	\$234,740.63	\$1,470,217.63	\$623,860.00	\$118,533.40	\$742,393.40	\$779,779.00	\$927,937.01
2706	FILTRO SEPARADOR				UND	1	\$834,190.25	\$158,496.15	\$992,686.40	\$1,849,713.00	\$351,445.47	\$2,201,158.47	\$1,162,231.00	\$220,823.89	\$1,383,054.89	\$1,282,044.75	\$1,525,633.25
2707	FILTRO SISTEMA UREA				UND	1	\$1,139,337.00	\$216,474.03	\$1,355,811.03	\$1,746,997.00	\$331,929.43	\$2,078,926.43	\$850,998.00	\$161,689.62	\$1,012,687.62	\$1,245,777.33	\$1,482,475.03
2708	RIN ACERO 22.5 X 8.25 (10 HUECOS)				UND	1	\$3,659,434.00	\$695,292.46	\$4,354,726.46	\$4,895,992.00	\$930,238.48	\$5,826,230.48	\$2,934,092.70	\$557,477.61	\$3,491,570.31	\$3,829,839.57	\$4,557,509.08
2709	LLANTA DIRECCION 12R22.5				UND	1	\$6,345,855.00	\$1,205,712.45	\$7,551,567.45	\$10,873,832.00	\$2,066,028.08	\$12,939,860.08	\$6,180,990.00	\$1,174,388.10	\$7,355,378.10	\$7,800,225.67	\$9,282,268.54
2710	LLANTA TRACCION 295/80R22.5				UND	1	\$10,122,115.00	\$1,923,201.85	\$12,045,316.85	\$6,380,990.00	\$1,212,388.10	\$7,593,378.10	\$9,204,395.00	\$1,748,835.05	\$10,953,230.05	\$8,569,166.67	\$10,197,308.33
2711	BATERIA 12V/92SCCA BORNE				UND	1	\$2,695,595.00	\$512,163.05	\$3,207,758.05	\$2,640,320.00	\$501,660.80	\$3,141,980.80	\$3,604,797.00	\$684,911.43	\$4,289,708.43	\$2,980,237.33	\$3,546,482.43
2712	juego de bandas				UND	1	\$3,595,772.00	\$683,196.68	\$4,278,968.68	\$1,917,624.00	\$364,348.56	\$2,281,972.56	\$1,629,545.40	\$309,613.63	\$1,939,159.03	\$2,380,980.47	\$2,833,366.76
2713	Tapa eje delantero				UND	1	\$1,160,901.45	\$220,571.28	\$1,381,472.73	\$2,229,846.00	\$423,670.74	\$2,653,516.74	\$1,482,435.00	\$281,662.65	\$1,764,097.65	\$1,624,394.15	\$1,933,029.04
2714	BATERIA 12V/925CCA TORNILLO				UND	1	\$3,849,689.00	\$731,440.91	\$4,581,129.91	\$2,186,024.00	\$415,344.56	\$2,601,368.56	\$1,962,984.60	\$372,967.07	\$2,335,951.67	\$2,666,232.53	\$3,172,816.71
2715	Kit empacaturadura compresor de aire				UND	1	\$998,710.00	\$189,754.90	\$1,188,464.90	\$2,199,859.00	\$417,973.21	\$2,617,832.21	\$1,289,506.00	\$245,006.14	\$1,534,512.14	\$1,496,025.00	\$1,780,269.75
2716	CAUCHO MUELLE TRASERO				UND	1	\$676,007.00	\$128,441.33	\$804,448.33	\$768,464.00	\$146,008.16	\$914,472.16	\$1,520,087.00	\$288,816.53	\$1,808,903.53	\$988,186.00	\$1,175,941.34
2717	CORREA MOTOR 8PK2080				UND	1	\$499,780.00	\$94,958.20	\$594,738.20	\$1,061,557.00	\$201,695.83	\$1,263,252.83	\$736,358.00	\$139,908.02	\$876,266.02	\$765,898.33	\$911,419.02
2718	INYECTOR SISTEMA UREA				UND	1	\$10,115,093.00	\$1,921,867.67	\$12,036,960.67	\$15,719,634.00	\$2,986,730.46	\$18,706,364.46	\$7,810,220.00	\$1,483,941.80	\$9,294,161.80	\$11,214,982.33	\$13,345,628.98
2719	CONDUCTO SISTEMA UREA				UND	1	\$6,244,316.00	\$1,186,420.04	\$7,430,736.04	\$4,251,555.00	\$807,795.45	\$5,059,350.45	\$11,889,684.00	\$2,259,039.96	\$14,148,723.96	\$7,461,851.67	\$8,879,603.48
2720	JUNTA SISTEMA UREA				UND	1	\$2,520,322.00	\$478,861.18	\$2,999,183.18	\$2,832,036.00	\$538,086.84	\$3,370,122.84	\$5,046,420.00	\$958,819.80	\$6,005,239.80	\$3,466,259.33	\$4,124,848.61
2721	BOMBA UREA				UND	1	\$72,958,350.00	\$13,862,086.50	\$86,820,436.50	\$40,940,217.00	\$7,778,641.23	\$48,718,858.23	\$37,980,999.00	\$7,216,389.81	\$45,197,388.81	\$50,626,522.00	\$60,245,561.18
2722	DEPOSITO UREA				UND	1	\$23,709,360.00	\$4,504,778.40	\$28,214,138.40	\$30,650,541.00	\$5,823,602.79	\$36,474,143.79	\$17,890,888.00	\$3,399,268.72	\$21,290,156.72	\$24,083,596.33	\$28,659,479.64
2723	PATIN MOTOR COMPLETO				UND	1	\$1,610,220.00	\$305,941.80	\$1,916,161.80	\$3,989,655.00	\$758,034.45	\$4,747,689.45	\$2,085,194.00	\$396,186.86	\$2,481,380.86	\$2,561,689.67	\$3,048,410.70
	MANO DE OBRA																
	DESCRIPCION				UNIDAD	CANT											
2724	Revision de mantenimiento preventivo 250 HORAS				UND	1	\$1,051,629.00	\$199,809.51	\$1,251,438.51	\$721,469.70	\$137,079.24	\$858,548.94	\$1,129,635.00	\$214,630.65	\$1,344,265.65	\$967,577.90	\$1,151,417.70
2725	preventivo sistema hidraulico alce volco Trimestral + semestral				UND	1	\$1,036,337.40	\$196,904.11	\$1,233,241.51	\$1,148,562.00	\$218,226.78	\$1,366,788.78	\$2,271,135.00	\$431,515.65	\$2,702,650.65	\$1,485,344.80	\$1,767,560.31
2726	Revision de mantenimiento preventivo 1000 HORAS				UND	1	\$1,793,345.00	\$340,735.55	\$2,134,080.55	\$1,070,906.00	\$203,472.14	\$1,274,378.14	\$894,164.10	\$169,891.18	\$1,064,055.28	\$1,252,805.03	\$1,490,837.99
2727	preventivo sistema hidraulico alce volco semestral+anual				UND	1	\$1,194,657.60	\$226,984.94	\$1,421,642.54	\$2,136,315.00	\$405,899.85	\$2,542,214.85	\$1,228,648.00	\$233,443.12	\$1,462,091.12	\$1,519,873.53	\$1,808,649.50
2728	Despinchar llanta delantera				UND	1	\$316,633.00	\$60,160.27	\$376,793.27	\$250,420.00	\$47,579.80	\$297,999.80	\$322,644.00	\$61,302.36	\$383,946.36	\$296,565.67	\$352,913.14
2729	Despinchar llanta trasera				UND	1	\$345,716.00	\$65,686.04	\$411,402.04	\$523,135.00	\$99,395.65	\$622,530.65	\$250,420.00	\$47,579.80	\$297,999.80	\$373,090.33	\$443,977.50
2730	Alineacion				UND	1	\$145,243.50	\$27,596.27	\$172,839.77	\$211,752.00	\$40,232.88	\$251,984.88	\$274,968.00	\$52,243.92	\$327,211.92	\$210,654.50	\$250,678.86
2731	Balanceo de llanta				UND	1	\$228,002.00	\$43,320.38	\$271,322.38	\$267,959.00	\$50,912.21	\$318,871.21	\$168,426.60	\$32,001.05	\$200,427.65	\$221,462.53	\$263,540.41
2732	Desmontar y montar bateria				UND	1	\$149,281.00	\$28,363.39	\$177,644.39	\$96,752.10	\$18,382.90	\$115,135.00	\$97,135.00	\$18,455.65	\$115,590.65	\$114,389.37	\$136,123.35
2733	Lavada y engrasada				UND	1	\$1,344,291.00	\$255,415.29	\$1,599,706.29	\$1,405,538.00	\$267,052.22	\$1,672,590.22	\$954,611.10	\$181,376.11	\$1,135,987.21	\$1,234,813.37	\$1,469,427.91
2734	Bota para llanta				UND	1	\$597,745.00	\$113,571.55	\$711,316.55	\$470,169.00	\$89,332.11	\$559,501.11	\$1,147,582.00	\$218,040.58	\$1,365,622.58	\$738,498.67	\$878,813.41
2735	Cambio de aceite y filtros motor				UND	1	\$1,860,407.00	\$353,477.33	\$2,213,884.33	\$1,205,607.00	\$229,065.33	\$1,434,672.33	\$981,573.60	\$186,498.98	\$1,168,072.58	\$1,349,195.87	\$1,605,543.08
2736	Servicio de scanner				UND	1	\$635,917.80	\$120,824.38	\$756,742.18	\$718,712.00	\$136,555.28	\$855,267.28	\$1,233,742.00	\$234,410.98	\$1,468,152.98	\$862,790.60	\$1,026,720.81
2737	desmontar tanque de combustible para limpieza y lavado				UND	1	\$974,316.30	\$185,120.10	\$1,159,436.40	\$1,990,485.00	\$378,192.15	\$2,368,677.15	\$1,018,360.00	\$193,488.40	\$1,211,848.40	\$1,327,720.43	\$1,579,987.32
2738	estado (un solo lado)				UND	1	\$1,330,937.00	\$252,878.03	\$1,583,815.03	\$1,034,464.80	\$196,548.31	\$1,231,013.11	\$1,035,648.00	\$196,773.12	\$1,232,421.12	\$1,133,683.27	\$1,349,083.09
2739	Bajar muelle trasero, despiece del mismo para cambio de hojas en mal estado				UND	1	\$1,684,546.00	\$320,063.74	\$2,004,609.74	\$1,192,184.10	\$226,514.98	\$1,418,699.08	\$1,330,114.00	\$252,721.66	\$1,582,835.66	\$1,402,281.37	\$1,668,714.83
2740	Desmontar y montar tornillo centrales muelles delantero (un lado)				UND	1	\$248,484.00	\$47,211.96	\$295,695.96	\$218,659.50	\$41,545.31	\$260,204.81	\$370,119.00	\$70,322.61	\$440,441.61	\$279,087.50	\$332,114.13
2741	Desmontar y montar tornillo centrales muelles trasero (un lado)				UND	1	\$420,731.70	\$79,939.02	\$500,670.72	\$500,179.00	\$95,034.01	\$595,213.01	\$970,562.00	\$184,406.78	\$1,154,968.78	\$630,490.90	\$750,284.17
2742	Cambio bujes muelles				UND	1	\$585,651.00	\$111,273.69	\$696,924.69	\$1,108,718.00	\$210,656.42	\$1,319,374.42	\$701,408.00	\$133,267.52	\$834,675.52	\$798,592.33	\$890,324.88
2743	Desmonte correa motor (una sola)				UND	1	\$810,068.00	\$153,912.92	\$963,980.92	\$588,609.00	\$111,835.71	\$700,444.71	\$458,211.90	\$87,060.26	\$545,272.16	\$618,962.97	\$736,565.93
2744	Reparacion de rin delantero				UND	1	\$631,992.00	\$120,078.48	\$752,070.48	\$1,195,140.00	\$227,076.60	\$1,422,216.60	\$513,258.00	\$97,519.02	\$610,777.02	\$780,130.00	\$928,354.70
2745	Reparacion de rin trasero				UND	1	\$470,811.90	\$89,454.26	\$560,266.16	\$709,223.00	\$134,752.37	\$843,975.37	\$678,601.00	\$128,934.19	\$807,535.19	\$619,545.30	\$737,258.81
2746	Corrección fugas de aire sistema levantamiento del volco				CONJUNTO	1	\$609,739.00	\$115,850.41	\$725,589.41	\$676,231.00	\$128,483.89	\$804,714.89	\$496,458.90	\$94,327.19	\$590,786.09	\$594,142.97	\$707,030.13
2747	Reparacion de chapas puertas (un lado)				UND	1	\$705,231.00	\$133,993.89	\$839,224.89	\$486,885.00	\$92,508.15	\$579,393.15	\$1,228,804.00	\$233,472.76	\$1,462,276.76	\$806,973.33	\$960,298.27
2748	juego remachada bandas				UND	1	\$1,905,173.00	\$361,982.87	\$2,267,155.87	\$3,450,946.00	\$655,679.74	\$4,106,625.74	\$1,295,783.10	\$246,198.79	\$1,541,981.89	\$2,217,300.70	\$2,638,587.83
2749	LIMPIEZA SISTEMA UREA				UND	1	\$2,900,444.00	\$551,084.36	\$3,451,528.36	\$2,580,699.00	\$490,332.81	\$3,071,031.81	\$2,640,826.00	\$501,756.94	\$3,142,582.94	\$2,707,323.00	\$3,221,714.37
2750	MANTENIMIENTO SISTEMA UREA				UND	1	\$3,311,793.90	\$629,240.84	\$4,4								

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS		DESCRIPCION			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	REPUESTOS															
	DESCRIPCION		CANT													
2755	Juego de Filtros aire	JUEGO	1		\$3,238,191.00	\$615,256.29	\$3,853,447.29	\$2,227,051.00	\$423,139.69	\$2,650,190.69	\$1,972,720.50	\$374,816.90	\$2,347,537.40	\$2,479,320.83	\$2,950,391.79	
2756	Filtro de aceite	UND	1		\$745,509.00	\$141,646.71	\$887,155.71	\$546,624.75	\$103,858.70	\$650,483.45	\$746,141.00	\$141,766.79	\$887,907.79	\$679,424.92	\$808,515.65	
2757	Filtro de combustible	UND	1		\$2,546,215.00	\$483,780.85	\$3,029,995.85	\$1,115,553.75	\$211,955.21	\$1,327,508.96	\$1,283,702.00	\$243,903.38	\$1,527,605.38	\$1,648,490.25	\$1,961,703.40	
2758	Filtro Separador	UND	1		\$1,571,331.00	\$298,552.89	\$1,869,883.89	\$1,397,649.00	\$265,553.31	\$1,663,202.31	\$1,360,893.00	\$258,569.67	\$1,619,462.67	\$1,443,291.00	\$1,717,516.29	
2759	Filtro tanque hidráulico	UND	1		\$3,749,113.00	\$712,331.47	\$4,461,444.47	\$2,347,773.00	\$446,076.87	\$2,793,849.87	\$2,734,380.00	\$519,532.20	\$3,253,912.20	\$2,943,755.33	\$3,503,068.85	
2760	Filtro de agua	UND	1		\$698,309.00	\$132,678.71	\$830,987.71	\$639,443.25	\$121,494.22	\$760,937.47	\$1,149,820.00	\$218,465.80	\$1,368,285.80	\$829,190.75	\$986,736.99	
2761	Filtro hidraulico elemento	UND	1		\$2,425,539.00	\$460,852.41	\$2,886,391.41	\$2,624,924.00	\$498,735.56	\$3,123,659.56	\$1,639,172.25	\$311,442.73	\$1,950,614.98	\$2,229,878.42	\$2,653,555.32	
2762	Filtros para servo	UND	1		\$2,241,717.00	\$425,926.23	\$2,667,643.23	\$2,534,602.00	\$481,574.38	\$3,016,176.38	\$2,190,837.75	\$416,259.17	\$2,607,096.92	\$2,322,385.58	\$2,763,638.84	
2763	Empaquetadura cilindro de freno rueda	UND	1		\$2,832,380.00	\$538,152.20	\$3,370,532.20	\$4,862,070.00	\$923,793.30	\$5,785,863.30	\$2,215,446.75	\$420,934.88	\$2,636,381.63	\$3,303,298.92	\$3,930,925.71	
2764	Empaquetadura cilindro hidraulico desplazamiento lateral pala	UND	1		\$1,469,396.25	\$279,185.29	\$1,748,581.54	\$3,618,771.00	\$687,566.49	\$4,306,337.49	\$1,997,399.00	\$379,505.81	\$2,376,904.81	\$2,361,855.42	\$2,810,607.95	
2765	Empaquetadura cilindro hidraulico articulacion	UND	1		\$2,623,687.00	\$498,500.53	\$3,122,187.53	\$1,802,460.00	\$342,467.40	\$2,144,927.40	\$2,286,157.00	\$434,369.83	\$2,720,526.83	\$2,237,434.67	\$2,662,547.25	
2766	Empaquetadura cilindro hidraulico de direccion	UND	1		\$2,083,775.00	\$395,917.25	\$2,479,692.25	\$2,526,308.00	\$479,998.52	\$3,006,306.52	\$2,021,445.75	\$384,074.69	\$2,405,520.44	\$2,210,509.58	\$2,630,506.40	
2767	Empaquetadura Cilindro hidraulico levante de la pala	UND	1		\$1,981,599.00	\$376,503.81	\$2,358,102.81	\$2,108,895.00	\$400,690.05	\$2,509,585.05	\$2,249,949.00	\$427,490.31	\$2,677,439.31	\$2,113,481.00	\$2,515,042.39	
2768	Empaquetaduras cilindro hidraulico elevacion tornamesa	UND	1		\$1,765,661.00	\$335,475.59	\$2,101,136.59	\$1,296,063.75	\$246,252.11	\$1,542,315.86	\$1,366,948.00	\$259,720.12	\$1,626,668.12	\$1,476,224.25	\$1,756,706.86	
2769	Empaquetadura cilindro hidraulico tumbaruedas	UND	1		\$4,357,415.63	\$827,908.97	\$5,185,324.60	\$5,418,880.00	\$1,029,587.20	\$6,448,467.20	\$6,496,154.00	\$1,234,269.26	\$7,730,423.26	\$5,424,149.88	\$6,454,738.35	
2770	Camisa cilindro desplazamiento	UND	1		\$13,106,670.00	\$2,490,267.30	\$15,596,937.30	\$26,513,026.00	\$5,037,474.94	\$31,550,500.94	\$13,316,317.00	\$2,530,100.23	\$15,846,417.23	\$17,645,337.67	\$20,997,951.82	
2771	Eje cromado cilindro desplazamiento	UND	1		\$10,746,561.00	\$2,041,846.59	\$12,788,407.59	\$9,119,343.75	\$1,732,675.31	\$10,852,019.06	\$14,128,991.00	\$2,684,508.29	\$16,813,499.29	\$11,331,631.92	\$13,484,641.98	
2772	Empaquetadura bomba hidraulica	UND	1		\$8,406,944.00	\$1,597,319.36	\$10,004,263.36	\$5,242,854.00	\$996,142.26	\$6,238,996.26	\$7,801,791.00	\$1,482,340.29	\$9,284,131.29	\$7,150,529.67	\$8,509,130.30	
2773	Empaquetadura valvula divisora de flujo	UND	1		\$5,653,815.00	\$1,074,224.85	\$6,728,039.85	\$4,110,591.75	\$781,012.43	\$4,891,604.18	\$9,780,106.00	\$1,858,220.14	\$11,638,326.14	\$6,514,837.58	\$7,752,656.72	
2774	SENSOR TEMPERATURA MOTOR	UND	1		\$2,057,657.25	\$390,954.88	\$2,448,612.13	\$3,739,928.00	\$710,586.32	\$4,450,514.32	\$2,957,469.00	\$561,919.11	\$3,519,388.11	\$2,918,351.42	\$3,472,838.19	
2775	SENSOR DE PRESION ACEITE	UND	1		\$1,298,487.00	\$246,712.53	\$1,545,199.53	\$2,579,188.00	\$490,045.72	\$3,069,233.72	\$1,557,602.00	\$295,944.38	\$1,853,546.38	\$1,811,759.00	\$2,155,993.21	
2776	SENSOR TEMPERATURA HIDRAULICO	UND	1		\$2,290,915.00	\$435,273.85	\$2,726,188.85	\$1,538,627.25	\$292,339.18	\$1,830,966.43	\$3,026,054.00	\$574,950.26	\$3,601,004.26	\$2,285,198.75	\$2,719,386.51	
2777	Empaquetadura cilindro freno	UND	1		\$1,367,827.00	\$259,887.13	\$1,627,714.13	\$2,466,462.00	\$468,627.78	\$2,935,089.78	\$949,894.50	\$180,479.96	\$1,130,374.46	\$1,594,727.83	\$1,897,726.12	
2778	Vidrio parabrisas	UND	1		\$7,042,206.00	\$1,338,019.14	\$8,380,225.14	\$12,455,617.00	\$2,366,567.23	\$14,822,184.23	\$10,021,168.00	\$1,904,021.92	\$11,925,189.92	\$9,839,663.67	\$11,709,199.61	
2779	Vidrio para cabina	UND	1		\$3,032,387.25	\$576,153.58	\$3,608,540.83	\$6,535,573.00	\$1,241,758.87	\$7,777,331.87	\$3,418,527.00	\$649,520.13	\$4,068,047.13	\$4,328,829.08	\$5,151,306.61	
2780	Vidrio lateral	UND	1		\$3,152,286.00	\$598,934.34	\$3,751,220.34	\$2,464,567.50	\$468,267.83	\$2,932,835.33	\$4,772,488.00	\$906,772.72	\$5,679,260.72	\$3,463,113.83	\$4,121,105.46	
2781	Vidrio panoramico superior plano	UND	1		\$2,774,025.00	\$527,064.75	\$3,301,089.75	\$4,051,007.00	\$769,691.33	\$4,820,698.33	\$6,002,699.00	\$1,140,512.81	\$7,143,211.81	\$4,275,910.33	\$5,088,333.30	
2782	Empaque caucho para vidrio panoramico	UND	1		\$3,134,320.00	\$595,520.80	\$3,729,840.80	\$1,427,911.50	\$271,303.18	\$1,699,214.68	\$1,757,034.00	\$333,836.46	\$2,090,870.46	\$2,106,421.83	\$2,506,641.98	
2783	Vidrio superior puerta	UND	1		\$1,867,520.25	\$354,828.85	\$2,222,349.10	\$3,407,969.00	\$647,514.11	\$4,055,483.11	\$2,202,969.00	\$418,564.11	\$2,621,533.11	\$2,492,819.42	\$2,966,455.11	
2784	Empaque para vidrio puerta	UND	1		\$2,168,346.00	\$411,985.74	\$2,580,331.74	\$4,026,252.00	\$764,987.88	\$4,791,239.88	\$1,546,536.00	\$293,841.84	\$1,840,377.84	\$2,580,378.00	\$3,070,649.82	
2785	Vidrio puerta inferior plano	UND	1		\$3,339,696.00	\$634,542.62	\$3,974,240.62	\$1,599,531.75	\$303,911.03	\$1,903,442.78	\$1,962,195.00	\$372,817.05	\$2,335,012.05	\$2,300,474.92	\$2,737,565.15	
2786	Vidrio puerta superior plano	UND	1		\$2,296,118.25	\$436,262.47	\$2,732,380.72	\$2,354,249.00	\$447,307.31	\$2,801,556.31	\$3,316,651.00	\$630,163.69	\$3,946,814.69	\$2,655,672.75	\$3,160,250.57	
2787	Manguera servo	UND	1		\$1,104,488.00	\$209,852.72	\$1,314,340.72	\$907,316.25	\$172,390.09	\$1,079,706.34	\$1,735,576.00	\$329,759.44	\$2,065,335.44	\$1,249,126.75	\$1,486,460.83	
2788	Mangueras hidráulicas con acoples	UND	1		\$2,010,334.00	\$381,963.46	\$2,392,297.46	\$1,643,100.00	\$312,189.00	\$1,955,289.00	\$1,296,576.75	\$246,349.58	\$1,542,926.33	\$1,650,003.58	\$1,963,504.26	
2789	Manguera hidraulica 3/8 x0.42 mts con acoples	UND	1		\$1,107,658.50	\$210,455.12	\$1,318,113.62	\$1,195,983.00	\$227,236.77	\$1,423,219.77	\$1,665,913.00	\$316,523.47	\$1,982,436.47	\$1,323,184.83	\$1,574,589.95	
2790	Bomba pedal de freno	UND	1		\$3,515,343.00	\$667,915.17	\$4,183,258.17	\$4,371,004.00	\$830,490.76	\$5,201,494.76	\$3,368,101.50	\$639,939.29	\$4,008,040.79	\$3,751,482.83	\$4,464,264.57	
2791	Cilindro de freno rueda	UND	1		\$1,621,087.00	\$308,006.53	\$1,929,093.53	\$1,109,779.50	\$210,858.11	\$1,320,637.61	\$2,450,698.00	\$465,632.62	\$2,916,330.62	\$1,727,188.17	\$2,055,353.92	
2792	Bandas de frenos	JUEGO	1		\$3,637,797.00	\$691,181.43	\$4,328,978.43	\$2,938,897.00	\$558,390.43	\$3,497,287.43	\$2,270,767.50	\$431,445.83	\$2,702,213.33	\$2,949,153.83	\$3,509,493.06	
2793	Empaquetadura bomba principal de freno	UND	1		\$1,016,247.75	\$193,087.07	\$1,209,334.82	\$1,365,309.00	\$259,408.71	\$1,624,717.71	\$1,445,894.00	\$274,719.86	\$1,720,613.86	\$1,275,816.92	\$1,518,222.13	
2794	Guaya control palanca transmision	UND	1		\$1,146,168.00	\$217,771.92	\$1,363,939.92	\$1,759,649.00	\$334,333.31	\$2,093,982.31	\$1,456,346.00	\$276,705.74	\$1,733,051.74	\$1,454,054.33	\$1,730,324.66	
2795	Guaya pedal de avance	UND	1		\$1,200,642.00	\$228,121.98	\$1,428,763.98	\$919,833.00	\$174,768.27	\$1,604,601.27	\$1,961,651.00	\$372,713.69	\$2,334,364.69	\$1,360,708.67	\$1,619,243.31	
2796	Sproket tandem	UND	1		\$15,206,552.00	\$2,889,244.88	\$18,095,796.88	\$8,963,607.75	\$1,703,085.47	\$10,666,693.22	\$10,229,989.00	\$1,943,697.91	\$12,173,686.91	\$11,466,716.25	\$13,645,392.34	
2797	Sproket mando final transmision	UND	1		\$55,961,473.00	\$10,632,679.87	\$66,594,152.87	\$34,653,546.00	\$6,584,173.74	\$41,237,719.74	\$23,307,635.25	\$4,428,450.70	\$27,736,085.95	\$37,974,218.08	\$45,189,319.52	
279																

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS		VR. UNITARIO SIN IVA			IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA
	DESCRIPCION															
2812	empaquetadura bomba hidraulica		UND	1	\$2,050,477.00	\$389,590.63	\$2,440,067.63	\$1,265,212.00	\$240,390.28	\$1,505,602.28	\$1,125,620.10	\$213,867.82	\$1,339,487.92	\$1,480,436.37	\$1,761,719.28	
2813	cruceta cardan		UND	1	\$1,339,756.00	\$254,553.64	\$1,594,309.64	\$1,067,743.80	\$202,871.32	\$1,270,615.12	\$1,597,378.00	\$303,501.82	\$1,900,879.82	\$1,334,959.27	\$1,588,601.53	
2814	Empaquetadura completa compresor de aire		UND	1	\$2,056,943.00	\$390,819.17	\$2,447,762.17	\$2,199,834.00	\$417,968.46	\$2,617,802.46	\$2,007,474.75	\$381,420.20	\$2,388,894.95	\$2,088,083.92	\$2,484,819.86	
2815	Motor de arranque		UND	1	\$5,652,520.65	\$1,073,978.92	\$6,726,499.57	\$15,018,873.00	\$2,853,585.87	\$17,872,458.87	\$8,284,951.00	\$1,574,140.69	\$9,859,091.69	\$9,652,114.88	\$11,486,016.71	
2816	Empaque bomba de agua		UND	1	\$402,543.90	\$76,483.34	\$479,027.24	\$519,424.00	\$98,690.56	\$618,114.56	\$434,119.00	\$82,482.61	\$516,601.61	\$452,028.97	\$537,914.47	
2817	Ventilador		UND	1	\$1,375,480.00	\$261,341.20	\$1,636,821.20	\$515,797.70	\$975,785.60	\$833,357.00	\$991,694.83	\$1,009,608.30	\$1,201,433.88	\$1,009,608.30	\$1,201,433.88	
2818	Bomba de agua		UND	1	\$6,332,011.00	\$1,203,082.09	\$7,535,093.09	\$4,030,577.40	\$765,809.71	\$4,796,387.11	\$5,301,761.00	\$1,007,334.59	\$6,309,095.59	\$5,221,449.80	\$6,213,525.26	
2819	Correa de motor		UND	1	\$1,463,796.00	\$278,121.24	\$1,741,917.24	\$833,036.10	\$158,276.86	\$991,312.96	\$1,005,499.00	\$191,044.81	\$1,196,543.81	\$1,100,777.03	\$1,309,924.67	
2820	Inyector motor		UND	1	\$14,039,767.00	\$2,667,555.73	\$16,707,322.73	\$24,548,589.00	\$4,664,231.91	\$29,212,820.91	\$10,276,290.75	\$1,952,495.24	\$12,228,785.99	\$16,288,215.58	\$19,382,976.54	
2821	Termostato		UND	1	\$709,889.00	\$134,878.91	\$844,767.91	\$469,059.00	\$89,121.21	\$558,180.21	\$361,761.30	\$68,734.65	\$430,495.95	\$513,569.77	\$611,148.02	
2822	Alternador		UND	1	\$4,191,802.00	\$796,442.38	\$4,988,244.38	\$3,718,100.00	\$706,439.00	\$4,424,539.00	\$3,593,545.50	\$682,773.65	\$4,276,319.15	\$3,834,482.50	\$4,563,034.18	
2823	Llantas 1400 X 24 (16 lonas) con protector		UND	1	\$7,380,990.00	\$1,402,388.10	\$8,783,378.10	\$9,753,722.00	\$1,853,207.18	\$11,606,929.18	\$17,335,078.00	\$3,293,664.82	\$20,628,742.82	\$11,489,930.00	\$13,673,016.70	
2824	Neumáticos 1400x24		UND	1	\$525,535.00	\$99,851.65	\$625,386.65	\$216,451.20	\$41,125.73	\$257,576.93	\$305,451.00	\$58,035.69	\$363,486.69	\$349,145.73	\$415,483.42	
2825	Cuchillas para la pala		UND	1	\$4,016,250.00	\$763,087.50	\$4,779,337.50	\$2,053,125.90	\$390,093.92	\$2,443,219.82	\$2,860,838.00	\$543,559.22	\$3,404,397.22	\$2,976,737.97	\$3,542,318.18	
2826	Esquineros para la pala		UND	1	\$914,561.00	\$173,766.59	\$1,088,327.59	\$817,718.85	\$155,366.58	\$973,085.43	\$1,580,238.00	\$300,245.22	\$1,880,483.22	\$1,104,172.62	\$1,313,965.41	
2827	Sobre esquineras para la pala		UND	1	\$1,058,956.20	\$201,201.68	\$1,260,157.88	\$2,740,875.00	\$520,766.25	\$3,261,641.25	\$1,502,672.00	\$285,507.68	\$1,788,179.68	\$1,767,501.07	\$2,103,326.18	
2828	Tornillos con tuerca para las cuchillas		UND	1	\$72,486.90	\$13,772.51	\$86,259.41	\$154,310.00	\$29,318.90	\$183,628.90	\$95,994.00	\$18,238.86	\$114,232.86	\$107,596.97	\$128,040.39	
2829	Tornillos con tuerca para los esquineros		UND	1	\$165,261.00	\$31,399.59	\$196,660.59	\$291,120.00	\$55,312.80	\$346,432.80	\$162,315.90	\$30,840.02	\$193,155.92	\$206,232.30	\$245,416.44	
2830	Cadenas para tandem		UND	1	\$2,335,706.55	\$443,784.24	\$2,779,490.79	\$4,449,240.00	\$845,355.60	\$5,294,595.60	\$3,020,283.00	\$573,853.77	\$3,594,136.77	\$3,268,409.85	\$3,889,407.72	
2831	Sellos para mando final		UND	1	\$946,578.00	\$179,849.82	\$1,126,427.82	\$1,382,203.00	\$262,618.57	\$1,644,821.57	\$932,723.10	\$177,217.39	\$1,109,940.49	\$1,087,168.03	\$1,293,729.96	
2832	Sellos oring mando final		UND	1	\$328,674.00	\$62,448.06	\$391,122.06	\$180,436.00	\$34,282.84	\$214,718.84	\$180,427.05	\$34,281.14	\$214,708.19	\$229,845.68	\$273,516.36	
2833	Váguetas mando final		UND	1	\$932,085.00	\$177,096.15	\$1,109,181.15	\$728,002.00	\$138,320.38	\$866,322.38	\$708,565.95	\$134,627.53	\$843,193.48	\$789,550.98	\$939,565.67	
2834	Rodillos con cuna del tandem		UND	1	\$857,979.00	\$163,016.01	\$1,020,995.01	\$623,022.30	\$118,374.24	\$741,396.54	\$797,410.00	\$151,507.90	\$948,917.90	\$759,470.43	\$903,769.82	
2835	Terminales de dirección Juegos		JUEGO	1	\$4,757,837.00	\$903,989.03	\$5,661,826.03	\$4,273,057.80	\$811,880.98	\$5,084,938.78	\$5,580,910.00	\$1,060,372.90	\$6,641,282.90	\$4,870,601.60	\$5,796,015.90	
2836	Strip para el tornamesa		UND	1	\$990,533.00	\$188,201.27	\$1,178,734.27	\$690,498.90	\$131,194.79	\$821,693.69	\$1,909,359.00	\$362,778.21	\$2,272,137.21	\$1,196,796.97	\$1,424,188.39	
2837	Sellos para el tornamesa		UND	1	\$526,839.00	\$100,099.41	\$626,938.41	\$433,618.50	\$82,387.51	\$516,006.01	\$742,264.00	\$141,030.16	\$883,294.16	\$567,573.83	\$675,412.86	
2838	Eje tornamesa		UND	1	\$12,254,649.00	\$2,328,383.31	\$14,583,032.31	\$7,156,473.90	\$1,359,730.04	\$8,516,203.94	\$7,287,253.00	\$1,384,578.07	\$8,671,831.07	\$8,899,458.63	\$10,590,355.77	
2839	Sinfin tornamesa		UND	1	\$6,445,958.00	\$1,224,732.02	\$7,670,690.02	\$9,844,741.00	\$1,870,500.79	\$11,715,241.79	\$4,572,127.20	\$868,704.17	\$5,440,831.37	\$6,954,275.40	\$8,275,587.73	
2840	Exploradoras 24V		UND	1	\$991,873.80	\$188,456.02	\$1,180,329.82	\$1,407,041.00	\$267,337.79	\$1,674,378.79	\$2,385,009.00	\$453,151.71	\$2,838,160.71	\$1,594,641.27	\$1,897,623.11	
2841	Baterías 4D1400		UND	1	\$2,771,115.00	\$526,511.85	\$3,297,626.85	\$2,405,000.00	\$456,950.00	\$2,861,950.00	\$3,171,267.00	\$602,540.73	\$3,773,807.73	\$2,782,460.67	\$3,311,128.19	
2842	Bornes bateria		UND	1	\$55,307.70	\$10,508.46	\$65,816.16	\$69,109.00	\$13,130.71	\$82,239.71	\$105,061.00	\$19,961.59	\$125,022.59	\$76,492.57	\$91,026.15	
2843	Sello retenedor 62x85x12		UND	1	\$473,664.00	\$89,998.16	\$563,662.16	\$299,822.10	\$56,966.20	\$356,788.30	\$424,395.00	\$80,635.05	\$505,030.05	\$399,293.70	\$475,159.50	
2844	Rodamiento 322/16		UND	1	\$206,321.00	\$39,200.99	\$245,521.99	\$155,274.00	\$29,502.06	\$184,776.06	\$150,882.60	\$28,667.69	\$179,550.29	\$170,825.87	\$203,282.78	
2845	Fusible piñón de ataque		UND	1	\$519,728.70	\$98,748.45	\$618,477.15	\$1,181,872.00	\$224,555.68	\$1,406,427.68	\$609,105.00	\$115,729.95	\$724,834.95	\$770,235.23	\$916,579.93	
2846	empaquete lamina exosto		UND	1	\$110,729.40	\$21,038.59	\$131,767.99	\$130,720.00	\$26,036.00	\$369,756.00	\$164,055.00	\$31,170.45	\$195,225.45	\$195,168.13	\$232,250.08	
2847	Tubo de escape		UND	1	\$833,234.10	\$158,314.48	\$991,548.58	\$1,131,378.00	\$214,961.82	\$1,346,339.82	\$1,035,730.00	\$196,788.70	\$1,232,518.70	\$1,000,114.03	\$1,190,135.70	
2848	Turbo		UND	1	\$18,877,711.00	\$3,586,765.09	\$22,464,476.09	\$10,854,359.00	\$2,062,328.21	\$12,916,687.21	\$8,105,393.70	\$1,540,024.80	\$9,645,418.50	\$12,612,487.90	\$15,008,860.60	
2849	Empaque escape		UND	1	\$359,184.00	\$68,244.96	\$427,428.96	\$295,367.00	\$56,119.73	\$351,486.73	\$202,341.60	\$38,444.90	\$240,786.50	\$285,630.87	\$339,900.73	
2850	Retenedor cigüeñal delantero		UND	1	\$735,470.40	\$139,739.38	\$875,209.78	\$1,029,611.00	\$195,626.09	\$1,225,237.09	\$760,654.00	\$144,524.26	\$905,178.26	\$841,911.80	\$1,001,875.04	
2851	Tapa radiador		UND	1	\$152,610.00	\$28,995.90	\$181,605.90	\$176,598.00	\$33,553.62	\$210,151.62	\$114,172.50	\$21,692.78	\$135,865.28	\$147,793.50	\$175,874.27	
2852	Direccionales		UND	1	\$1,067,239.00	\$202,775.41	\$1,270,014.41	\$996,152.00	\$189,268.88	\$1,185,420.88	\$665,051.70	\$126,359.82	\$791,411.52	\$909,480.90	\$1,082,282.27	
2853	Pito de reversa		UND	1	\$910,545.30	\$173,003.61	\$1,083,548.91	\$1,263,804.00	\$240,122.76	\$1,503,926.76	\$1,506,083.00	\$286,155.77	\$1,792,238.77	\$1,226,810.77	\$1,459,904.81	
2854	Piñón de ataque		UND	1	\$25,572,832.00	\$4,858,838.08	\$30,431,670.08	\$17,103,243.00	\$3,249,616.17	\$20,352,859.17	\$16,243,025.25	\$3,086,174.80	\$19,329,200.05	\$19,639,700.08	\$23,371,243.10	
2855	Reloj presion temperatura		UND	1	\$887,426.00	\$168,610.94	\$1,056,036.94	\$778,062.30	\$147,831.84	\$925,894.14	\$1,721,698.00	\$327,122.62	\$2,048,820.62	\$1,129,062.10	\$1,343,583.90	
2856	Bombin transferencia		UND	1	\$1,326,087.00	\$251,956.53	\$1,578,043.53	\$734,078.00	\$139,474.82	\$873,552.82	\$173,680.20	\$35,599.24	\$919,142.04	\$924,615.07	\$1,100,291.93	
2857	Bomba hidraulica		UND	1	\$28,418,811.00	\$5,399,574.09	\$33,818,385.09	\$38,493,654.00	\$7,313,794.26	\$45,807,448.26	\$62,397,496.00	\$11,855,524.24	\$74,253,020.24	\$43,103,320.33	\$61,292,951.20	
2858	Motor direccion		UND	1	\$23,412,901.00	\$4,448,451.19	\$27,861,352.19	\$17,292,420.75	\$3,285,559.94	\$20,577,980.69	\$41,599,398.00	\$7,903,885.62	\$49,503,283.62	\$27,434,906.58	\$32,647,538.83	
2859	Tuercas carraca pala		UND	1	\$77,536.00	\$14,731.84	\$92,267.84	\$55,962.00	\$10,632.78	\$66,594.78	\$53,645.70	\$10,192.68	\$63,838.38	\$62,381.23	\$74,233.67	
2860	Rodamientos arranque		UND	1	\$81,285.00	\$15,444.15	\$96,729.15	\$77,467.80	\$14,718.88	\$92,186.68	\$106,814.00	\$20,294.66	\$127,108.66	\$88,522.27	\$105,341.50	
2861	Escobillas arranque		UND	1	\$196,286.00	\$37,294.34	\$233,580.34	\$162,978.60	\$30,965.93	\$193						

ITEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION														
2871	2382215122	gasket	UND	1	\$140,862.00	\$26,763.78	\$167,625.78	\$81,975.00	\$15,575.25	\$97,550.25	\$74,052.30	\$14,069.94	\$88,122.24	\$98,963.10	\$117,766.09
2872	230221175	Seal	UND	1	\$215,248.00	\$40,897.12	\$256,145.12	\$175,316.00	\$33,310.04	\$208,626.04	\$125,868.00	\$23,914.92	\$149,782.92	\$172,144.00	\$204,851.36
2873	2302211741	plate	UND	1	\$543,716.10	\$103,306.06	\$647,022.16	\$804,774.00	\$152,907.06	\$957,681.06	\$951,540.00	\$11,132,332.60	\$766,676.70	\$912,345.27	\$1,132,332.60
2874	238231611	Gasket	UND	1	\$220,884.00	\$41,967.96	\$262,851.96	\$263,309.00	\$50,028.71	\$313,337.71	\$295,037.00	\$56,057.03	\$351,094.03	\$259,743.33	\$309,094.57
2875	06002-32021	Bearing	UND	1	\$402,126.30	\$76,404.00	\$478,530.30	\$964,582.00	\$183,270.58	\$1,147,852.58	\$495,863.00	\$94,213.97	\$590,076.97	\$620,857.10	\$738,819.95
2876	06030-06214	Bearing ball	UND	1	\$502,750.00	\$95,522.50	\$598,272.50	\$661,723.60	\$49,727.48	\$311,451.08	\$348,977.00	\$66,305.63	\$415,282.63	\$371,150.20	\$441,668.74
2877	23A2211250	Cage	UND	1	\$291,071.00	\$55,303.49	\$346,374.49	\$211,228.20	\$40,133.36	\$251,361.56	\$295,791.00	\$56,200.29	\$351,991.29	\$266,030.07	\$316,575.78
2878	Bomba de transferencia		UND	1	\$9,221,829.00	\$1,752,147.51	\$10,973,976.51	\$7,587,495.00	\$1,441,624.05	\$9,029,119.05	\$5,950,249.50	\$1,130,547.41	\$7,080,796.91	\$7,586,524.50	\$9,027,964.16
2879	Chapa interna puerta derecha		UND	1	\$851,501.70	\$161,785.32	\$1,013,287.02	\$940,159.00	\$178,630.21	\$1,118,789.21	\$1,125,028.00	\$213,755.32	\$1,338,783.32	\$972,229.57	\$1,156,953.18
2880	Chapa externa cromada con llaves puerta derecha		UND	1	\$1,054,141.00	\$200,286.79	\$1,254,427.79	\$863,358.00	\$164,038.02	\$1,027,396.02	\$730,121.40	\$138,723.07	\$868,844.47	\$882,540.13	\$1,050,222.76
2881	Chapa externa cromada con llaves puerta izquierda		UND	1	\$831,786.00	\$158,039.34	\$989,825.34	\$628,329.60	\$119,382.62	\$747,712.22	\$711,631.00	\$135,209.89	\$846,840.89	\$723,915.53	\$861,459.48
2882	BARRA DIRECCION TRANSVERSAL		UND	1	\$6,977,269.50	\$1,325,681.21	\$8,302,950.71	\$13,349,625.00	\$2,536,428.75	\$15,886,053.75	\$10,326,753.00	\$1,962,083.07	\$12,288,836.07	\$10,217,882.50	\$12,159,280.18
2883	Anillo de compresion y empaques externos turbo		UND	1	\$1,434,429.00	\$272,541.51	\$1,706,970.51	\$1,605,848.00	\$305,111.12	\$1,910,959.12	\$1,976,302.00	\$375,497.38	\$2,351,799.38	\$1,672,193.00	\$1,989,909.67
	MANO DE OBRA														
	DESCRIPCION		UNIDAD	CANT											
2884	Mantenimiento preventivo 250 horas		UND	1	\$4,079,726.00	\$775,147.94	\$4,854,873.94	\$3,573,093.75	\$678,887.81	\$4,251,981.56	\$7,881,419.00	\$1,497,469.61	\$9,378,888.61	\$5,178,079.58	\$6,161,914.70
2885	Mantenimiento preventivo 500 horas		UND	1	\$6,314,483.00	\$1,199,751.77	\$7,514,234.77	\$4,229,779.00	\$803,658.01	\$5,033,437.01	\$2,866,065.00	\$544,552.35	\$3,410,617.35	\$4,470,109.00	\$5,319,429.71
2886	Mantenimiento preventivo 1000 horas		UND	1	\$3,819,530.63	\$725,710.82	\$4,545,241.45	\$8,232,428.00	\$1,564,161.32	\$9,796,589.32	\$5,665,631.00	\$1,076,469.89	\$6,742,100.89	\$5,905,863.21	\$7,027,977.22
2887	Mantenimiento preventivo 2000 horas		UND	1	\$5,995,245.00	\$1,139,096.55	\$7,134,341.55	\$3,567,176.25	\$677,763.49	\$4,244,939.74	\$5,243,724.00	\$996,307.56	\$6,240,031.56	\$4,935,381.75	\$5,873,104.28
2888	Desmonte y montaje de motor		UND	1	\$4,332,678.75	\$823,208.96	\$5,155,887.71	\$4,739,348.00	\$900,476.12	\$5,639,824.12	\$6,395,258.00	\$1,215,099.02	\$7,610,357.02	\$5,155,761.58	\$6,135,356.28
2889	M.O. reparación general incluye trabajo de mecanica y rectificadora		GLOBAL	1	\$64,140,567.00	\$12,186,707.73	\$76,327,274.73	\$34,175,450.63	\$6,493,335.62	\$40,668,786.25	\$46,265,431.00	\$8,790,431.89	\$55,055,862.89	\$48,193,816.21	\$67,350,641.29
2890	Desmontar y montar soporte de motor (un solo)		UND	1	\$23,875,982.00	\$4,536,436.58	\$28,412,418.58	\$18,350,733.75	\$3,486,639.41	\$21,837,373.16	\$30,908,369.00	\$5,872,590.11	\$36,780,959.11	\$24,378,361.58	\$29,010,250.28
2891	Desmontar y montar guaya de control de cambios		UND	1	\$1,128,075.00	\$214,334.25	\$1,342,409.25	\$1,533,187.00	\$291,305.53	\$1,824,492.53	\$2,029,923.00	\$385,685.37	\$2,415,608.37	\$1,563,728.33	\$1,860,836.72
2892	Desmontar y montar guaya de control de avance		UND	1	\$1,783,133.00	\$338,795.27	\$2,121,928.27	\$1,396,453.13	\$265,326.09	\$1,661,779.22	\$1,929,030.00	\$366,515.70	\$2,295,545.70	\$1,702,872.04	\$2,026,417.73
2893	Desmontar y montar guaya de freno de paqueo		UND	1	\$1,331,513.00	\$252,987.47	\$1,584,500.47	\$1,326,817.50	\$252,095.33	\$1,578,912.83	\$2,605,320.00	\$495,010.80	\$3,100,330.80	\$1,754,550.17	\$2,087,914.70
2894	Desmontar y montar Cilindro de freno para cambio de sellos		UND	1	\$5,025,998.00	\$954,939.62	\$5,980,937.62	\$3,245,991.00	\$616,738.29	\$3,862,729.29	\$3,207,684.38	\$609,460.03	\$3,817,144.41	\$3,826,557.79	\$4,553,603.77
2895	los frenos		UND	1	\$9,803,628.75	\$1,862,689.46	\$11,666,318.21	\$18,137,475.00	\$3,446,120.25	\$21,583,595.25	\$11,124,196.00	\$2,113,597.24	\$13,237,793.24	\$13,021,766.58	\$15,495,902.23
2896	Desmontar y montar bomba del pedal de freno		UND	1	\$2,787,191.00	\$529,566.29	\$3,316,757.29	\$3,620,453.00	\$687,886.07	\$4,308,339.07	\$1,903,762.50	\$361,714.88	\$2,265,477.38	\$2,770,468.83	\$3,296,857.91
2897	Desmontar y montar de bombas de freno		UND	1	\$4,441,236.00	\$843,834.84	\$5,285,070.84	\$2,760,187.50	\$524,435.62	\$3,284,623.12	\$4,071,631.00	\$773,609.89	\$4,845,240.89	\$3,757,684.83	\$4,471,644.95
2898	Cambio de empaquetadura bomba de freno		UND	1	\$2,561,701.00	\$486,723.19	\$3,048,424.19	\$4,927,066.00	\$936,142.54	\$5,863,208.54	\$2,332,839.38	\$443,239.48	\$2,776,078.86	\$3,273,868.79	\$3,895,903.86
2899	Desmonte freno de seguridad para cambio de bandas y resortes		UND	1	\$2,893,054.00	\$549,680.26	\$3,442,734.26	\$2,673,084.38	\$507,886.03	\$3,180,970.41	\$4,169,064.00	\$792,122.16	\$4,961,186.16	\$3,245,067.46	\$3,861,630.28
2900	Remachada de bandas de freno		UND	1	\$9,020,427.00	\$1,713,881.13	\$10,734,308.13	\$6,278,510.63	\$1,192,917.02	\$7,471,427.65	\$7,784,358.00	\$1,479,028.02	\$9,263,386.02	\$7,694,431.88	\$9,156,373.93
2901	Cambio de empaque tapa valvulas motor		UND	1	\$3,674,793.75	\$698,210.81	\$4,373,004.56	\$4,690,965.00	\$891,283.35	\$5,582,248.35	\$5,725,674.00	\$1,087,878.06	\$6,813,552.06	\$4,697,144.25	\$5,589,601.66
2902	Desmontar y montar piñon de ataque		UND	1	\$8,760,239.00	\$1,664,445.41	\$10,424,684.41	\$16,288,453.00	\$3,094,806.07	\$19,383,259.07	\$7,030,841.25	\$1,335,859.84	\$8,366,701.09	\$10,693,177.75	\$12,724,881.52
2903	Desmontar y montar eje piñon de ataque		UND	1	\$9,813,252.00	\$1,864,517.88	\$11,677,769.88	\$5,633,116.88	\$1,070,292.21	\$6,703,409.09	\$7,120,599.00	\$1,352,849.21	\$8,473,308.21	\$7,522,209.28	\$8,951,429.06
2904	discos sellos oring y partes afectadas)		GLOBAL	1	\$19,884,468.00	\$3,778,048.92	\$23,662,516.92	\$27,448,361.00	\$5,215,188.59	\$32,663,549.59	\$17,878,093.12	\$3,396,837.69	\$21,274,930.81	\$21,736,974.04	\$25,866,999.11
2905	Desmontar y montar turbo.		UND	1	\$3,573,045.00	\$678,878.55	\$4,251,923.55	\$5,696,339.00	\$1,082,304.41	\$6,778,643.41	\$3,476,979.38	\$660,626.08	\$4,137,605.46	\$4,248,787.79	\$5,056,057.47
2906	Servicio de repacion general turbo incluye cambio de partes afectadas		UND	1	\$40,248,910.00	\$7,647,292.90	\$47,896,202.90	\$24,489,515.63	\$4,653,007.87	\$29,142,523.60	\$25,917,350.00	\$4,924,296.50	\$30,841,646.50	\$30,218,591.88	\$35,960,124.33
2907	Desmontar y montar terminal de direccion (un solo lado)		UND	1	\$4,893,797.00	\$929,821.43	\$5,823,618.43	\$2,516,188.13	\$478,075.74	\$2,994,263.87	\$3,389,530.00	\$644,010.70	\$4,033,540.70	\$3,599,838.38	\$4,283,807.67
2908	Desmontar y montar sproket mando final (uno lado)		UND	1	\$3,925,091.25	\$745,767.34	\$4,670,858.59	\$5,420,751.00	\$1,029,942.69	\$6,450,693.69	\$10,575,800.00	\$2,009,402.00	\$12,585,202.00	\$6,640,547.42	\$7,902,251.43
2909	Desmontar y montar sproket tandem (uno lado)		UND	1	\$12,640,936.00	\$2,401,777.84	\$15,042,713.84	\$6,369,961.00	\$1,210,292.59	\$7,580,253.59	\$4,421,546.25	\$840,093.79	\$5,261,640.04	\$7,810,814.42	\$9,294,869.16
2910	Desmontar y montar Mando final para cambio de empaquetadura y sello		UND	1	\$6,992,782.50	\$1,328,628.68	\$8,321,411.18	\$11,153,455.00	\$2,119,156.45	\$13,272,611.45	\$7,648,124.00	\$1,453,143.56	\$9,101,267.56	\$8,598,120.50	\$10,231,763.40
2911	Desmontar y montar cadena tandem (un solo Lado)		UND	1	\$5,536,765.00	\$1,051,985.35	\$6,588,750.35	\$7,667,780.00	\$1,456,878.20	\$9,124,658.20	\$5,478,003.75	\$1,040,820.71	\$6,518,824.46	\$6,227,516.25	\$7,410,744.34
2912	empaquetadura		UND	1	\$4,154,480.00	\$789,351.20	\$4,943,831.20	\$3,346,749.38	\$635,882.38	\$3,982,631.76	\$4,734,719.00	\$1,412,596.61	\$6,847,315.61	\$4,978,649.46	\$5,924,592.86
2913	empaquetadura		UND	1	\$3,355,906.88	\$637,622.31	\$3,993,529.19	\$4,779,409.00	\$908,087.71	\$5,687,496.71	\$6,653,204.00	\$1,264,108.76	\$7,917,312.76	\$4,929,506.63	\$5,866,118.89
2914	cambio de empaquetadura		UND	1	\$8,088,348.00	\$1,536,786.12	\$9,625,134.12	\$4,359,606.00	\$828,325.14	\$5,187,931.14	\$2,929,404.38	\$566,586.83	\$3,485,991.21	\$5,125,786.13	\$6,099,685.49
2915	empaquetadura		UND	1	\$6,572,987.00	\$1,248,867.53	\$7,821,854.53	\$12,082,078.00	\$2,295,594.82	\$14,377,672.82	\$5,003,163.75	\$950,601.11	\$5,953,764.86	\$7,886,076.25	\$9,384,430.74
2916	empaquetadura		UND	1	\$5,803,989.00	\$1,102,757.91	\$6,906,746.91	\$5,589,491.00	\$1,062,003.29	\$6,651,494.29	\$3,845,133.75	\$730,575.41	\$4,575,709.16	\$5,079,537.92	\$6,044,650.12
2917	cambio de empaquetadura		UND	1	\$3,407,264.00	\$647,380.16	\$4,054,644.16	\$2,461,168.13	\$467,621.94						

ITEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO			
	REPUESTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA		
	DESCRIPCION																
2984	Empaquetadura cilindro de freno rueda				UND	1	\$2,215,446.75	\$420,934.88	\$2,636,381.63	\$3,858,446.00	\$733,104.74	\$4,591,550.74	\$3,301,765.00	\$627,335.35	\$3,929,100.35	\$3,125,219.25	\$3,719,010.91
2985	Empaquetadura cilindro hidraulico desplazamiento lateral pala				UND	1	\$2,823,324.00	\$536,431.56	\$3,359,755.56	\$2,109,268.00	\$400,760.92	\$2,510,028.92	\$1,469,396.25	\$279,185.29	\$1,748,581.54	\$2,133,996.08	\$2,539,455.34
2986	Empaquetadura cilindro hidraulico articulacion				UND	1	\$1,802,460.00	\$342,467.40	\$2,144,927.40	\$2,859,667.00	\$543,363.73	\$3,403,030.73	\$2,019,970.00	\$383,794.30	\$2,403,764.30	\$2,227,365.67	\$2,650,565.14
2987	Empaquetadura cilindro hidraulico de direccion				UND	1	\$4,299,926.00	\$816,985.94	\$5,116,911.94	\$2,151,454.00	\$408,776.26	\$2,560,230.26	\$2,021,445.75	\$384,074.69	\$2,405,520.44	\$2,824,275.25	\$3,360,887.55
2988	Empaquetadura Cilindro hidraulico levante de la pala				UND	1	\$1,982,046.00	\$376,588.74	\$2,358,634.74	\$1,981,599.00	\$376,503.81	\$2,358,102.81	\$2,566,378.00	\$487,611.82	\$3,053,989.82	\$2,176,674.33	\$2,590,242.46
2989	Empaquetaduras cilindro hidraulico elevacion tornamesa				UND	1	\$1,296,063.75	\$246,252.11	\$1,542,315.86	\$1,626,183.00	\$308,974.77	\$1,935,157.77	\$1,334,400.00	\$253,536.00	\$1,587,936.00	\$1,418,882.25	\$1,688,469.88
2990	Empaquetadura cilindro hidraulico tumbaruedas				UND	1	\$1,742,966.25	\$331,163.59	\$2,074,129.84	\$2,556,069.00	\$485,653.11	\$3,041,722.11	\$2,603,177.00	\$494,603.63	\$3,097,780.63	\$2,300,737.42	\$2,737,877.53
2991	Camisa cilindro desplazamiento				UND	1	\$5,242,668.00	\$996,106.92	\$6,238,774.92	\$9,865,785.00	\$1,874,499.15	\$11,740,284.15	\$5,532,973.00	\$6,584,237.87	\$6,880,475.33	\$8,187,765.65	
2992	Eje cromado cilindro desplazamiento				UND	1	\$3,647,737.50	\$693,070.13	\$4,340,807.63	\$5,410,391.00	\$1,027,974.29	\$6,438,365.29	\$7,031,542.00	\$1,335,992.98	\$8,367,534.98	\$5,363,223.50	\$6,382,235.97
2993	Empaquetadura bomba hidraulica				UND	1	\$3,162,232.00	\$600,824.08	\$3,763,056.08	\$2,097,141.60	\$398,456.90	\$2,495,598.50	\$2,540,061.00	\$482,611.59	\$3,022,672.59	\$2,599,811.53	\$3,093,775.72
2994	Empaquetadura valvula divisora de flujo				UND	1	\$1,644,236.70	\$312,404.97	\$1,956,641.67	\$2,241,408.00	\$425,867.52	\$2,667,275.52	\$4,316,411.00	\$820,118.09	\$5,136,529.09	\$2,734,018.57	\$3,253,482.09
2995	SENSOR TEMPERATURA MOTOR				UND	1	\$2,088,876.00	\$396,886.44	\$2,485,762.44	\$2,057,657.25	\$390,954.88	\$2,448,612.13	\$2,098,687.00	\$398,750.53	\$2,497,437.53	\$2,081,740.08	\$2,477,270.70
2996	SENSOR DE PRESION ACEITE				UND	1	\$1,298,487.00	\$246,712.53	\$1,545,199.53	\$1,938,766.00	\$368,365.54	\$2,307,131.54	\$2,974,603.00	\$565,174.57	\$3,539,777.57	\$2,079,618.67	\$2,464,036.21
2997	SENSOR TEMPERATURA HIDRAULICO				UND	1	\$1,538,627.25	\$292,339.18	\$1,830,966.43	\$2,107,461.00	\$400,417.59	\$2,507,878.59	\$1,675,716.00	\$318,386.04	\$1,994,102.04	\$1,773,934.75	\$2,110,982.35
2998	Empaquetadura cilindro freno				UND	1	\$1,969,838.00	\$374,269.22	\$2,344,107.22	\$1,386,396.00	\$263,415.24	\$1,649,811.24	\$949,894.50	\$180,479.96	\$1,130,374.46	\$1,435,376.17	\$1,708,097.64
2999	Vidrio parabrisas				UND	1	\$9,485,520.00	\$1,802,248.80	\$11,287,768.80	\$7,042,206.00	\$1,338,019.14	\$8,380,225.14	\$12,315,329.00	\$2,339,912.51	\$14,655,241.51	\$9,614,351.67	\$11,441,078.48
3000	Vidrio para cabina				UND	1	\$4,878,904.00	\$926,991.76	\$5,805,895.76	\$3,242,270.00	\$616,031.30	\$3,858,301.30	\$3,032,387.25	\$576,153.58	\$3,608,540.83	\$3,717,853.75	\$4,424,245.96
3001	Vidrio lateral				UND	1	\$5,335,033.00	\$1,013,656.27	\$6,348,689.27	\$2,765,854.00	\$525,512.26	\$3,291,366.26	\$2,464,567.50	\$468,267.83	\$2,932,835.33	\$3,521,818.17	\$4,190,963.62
3002	Vidrio panoramico superior plano				UND	1	\$2,774,025.00	\$527,064.75	\$3,301,089.75	\$3,159,014.00	\$600,212.66	\$3,759,226.66	\$2,826,884.00	\$537,107.96	\$3,363,991.96	\$2,919,974.33	\$3,474,769.46
3003	Empaque caucho para vidrio panoramico				UND	1	\$3,397,571.00	\$645,538.49	\$4,043,109.49	\$1,787,867.00	\$339,694.73	\$2,127,561.73	\$1,427,911.50	\$271,303.19	\$1,699,214.69	\$2,204,449.83	\$2,623,295.30
3004	Vidrio superior puerta				UND	1	\$2,361,201.00	\$448,628.19	\$2,809,829.19	\$2,284,750.00	\$434,102.50	\$2,718,852.50	\$1,867,520.25	\$354,828.85	\$2,222,349.10	\$2,171,157.08	\$2,583,676.93
3005	Empaque para vidrio puerta				UND	1	\$3,528,654.00	\$670,444.26	\$4,199,098.26	\$1,546,536.00	\$293,841.84	\$1,840,377.84	\$1,996,756.00	\$379,383.64	\$2,376,139.64	\$2,357,315.33	\$2,805,205.25
3006	Vidrio puerta inferior plano				UND	1	\$2,217,523.00	\$421,329.37	\$2,638,852.37	\$1,810,618.00	\$344,017.42	\$2,154,635.42	\$1,599,531.75	\$303,911.03	\$1,903,442.78	\$1,875,890.92	\$2,232,310.19
3007	Vidrio puerta superior plano				UND	1	\$2,582,925.00	\$490,755.75	\$3,073,680.75	\$4,905,372.00	\$932,020.68	\$5,837,392.68	\$2,296,118.25	\$436,262.47	\$2,732,380.72	\$3,261,471.75	\$3,881,151.38
3008	Manguera servo				UND	1	\$2,376,926.00	\$451,615.94	\$2,828,541.94	\$1,226,512.00	\$233,037.28	\$1,459,549.28	\$907,316.25	\$172,390.09	\$1,079,706.34	\$1,503,584.75	\$1,789,265.85
3009	Mangueras hidráulicas con acoples				UND	1	\$2,857,202.00	\$542,868.38	\$3,400,070.38	\$1,576,929.00	\$299,616.51	\$1,876,545.51	\$1,296,576.75	\$246,349.58	\$1,542,926.33	\$1,910,235.92	\$2,273,180.74
3010	Manguera hidraulica 3/8 x0.42 mts con acoples				UND	1	\$679,976.00	\$129,195.44	\$809,171.44	\$443,063.40	\$84,182.05	\$527,245.45	\$634,247.00	\$120,506.93	\$754,753.93	\$585,762.13	\$697,056.94
3011	Bomba pedal de freno				UND	1	\$2,357,699.00	\$447,962.81	\$2,805,661.81	\$1,347,240.60	\$255,975.71	\$1,603,216.31	\$1,376,552.00	\$261,544.88	\$1,638,096.88	\$1,693,830.53	\$2,015,658.33
3012	Cilindro de freno rueda				UND	1	\$533,961.00	\$101,452.59	\$635,413.59	\$443,911.80	\$84,343.24	\$528,255.04	\$1,061,667.00	\$201,716.73	\$1,263,383.73	\$679,846.60	\$809,017.45
3013	Bandas de frenos				JUEGO	1	\$908,307.00	\$172,578.33	\$1,080,885.33	\$1,262,791.00	\$239,930.29	\$1,502,721.29	\$1,872,260.00	\$355,729.40	\$2,227,989.40	\$1,347,786.00	\$1,603,865.34
3014	Empaquetadura bomba principal de freno				UND	1	\$406,499.10	\$77,234.83	\$483,733.93	\$1,006,168.00	\$191,171.92	\$1,197,339.92	\$592,383.00	\$112,552.77	\$704,935.77	\$668,350.03	\$795,336.54
3015	Guaya control palanca transmision				UND	1	\$976,463.00	\$185,527.97	\$1,161,990.97	\$516,441.00	\$98,123.79	\$614,564.79	\$458,467.20	\$87,108.77	\$545,575.97	\$650,467.07	\$774,043.91
3016	Guaya pedal de avance				UND	1	\$477,820.00	\$90,785.80	\$568,605.80	\$504,290.00	\$95,815.10	\$600,105.10	\$367,933.20	\$69,907.31	\$437,840.51	\$450,014.40	\$535,517.14
3017	Sproket tandem				UND	1	\$3,585,443.10	\$681,234.19	\$4,266,677.29	\$5,603,241.00	\$1,064,615.79	\$6,667,856.79	\$5,238,380.00	\$995,292.20	\$6,233,672.20	\$4,809,021.37	\$5,722,735.43
3018	Sproket mando final transmision				UND	1	\$23,307,635.25	\$4,428,450.70	\$27,736,085.95	\$45,327,820.00	\$8,612,285.80	\$33,940,105.80	\$31,499,776.00	\$5,984,957.44	\$37,484,733.44	\$33,378,410.42	\$39,720,308.40
3019	Motor hidraulico de giro tornamesa				UND	1	\$14,293,925.25	\$2,715,845.80	\$17,009,771.05	\$20,190,009.00	\$3,836,101.71	\$24,026,110.71	\$20,215,237.00	\$3,840,895.03	\$24,056,132.03	\$18,233,057.08	\$21,697,337.93
3020	Empaquetadura motor hidraulico de giro tornamesa				UND	1	\$5,879,906.25	\$1,117,182.19	\$6,997,088.44	\$9,407,052.00	\$1,787,339.88	\$11,194,391.88	\$6,615,826.00	\$1,257,006.94	\$7,872,832.94	\$7,300,928.08	\$8,688,104.42
3021	Motor de apagado motor				UND	1	\$6,122,106.00	\$1,163,200.14	\$7,285,306.14	\$4,096,218.75	\$778,281.56	\$4,874,500.31	\$4,440,740.00	\$843,740.60	\$5,284,480.60	\$4,886,354.92	\$5,814,762.35
3022	Soportes de motor				UND	1	\$2,267,482.00	\$430,821.58	\$2,698,303.58	\$1,854,282.00	\$352,313.58	\$2,206,595.58	\$1,728,286.50	\$328,374.44	\$2,056,660.94	\$1,950,016.83	\$2,320,520.03
3023	Tarro de expansion				UND	1	\$4,773,627.75	\$906,989.27	\$5,680,617.02	\$10,300,191.00	\$1,957,036.29	\$12,257,227.29	\$5,182,673.00	\$984,707.87	\$6,167,380.87	\$6,752,163.92	\$8,035,075.06
3024	Empaque tapa distribucion				UND	1	\$597,669.00	\$113,557.11	\$711,226.11	\$448,253.25	\$85,168.12	\$533,421.37	\$1,040,900.00	\$197,771.00	\$1,238,671.00	\$695,607.42	\$827,772.83
3025	Reten trasero cigüeñal				UND	1	\$1,581,969.00	\$300,574.11	\$1,882,543.11	\$1,325,262.00	\$251,799.78	\$1,577,061.78	\$2,696,941.00	\$512,418.79	\$3,209,359.79	\$1,868,057.33	\$2,222,988.23
3026	Bomba de aceite motor				UND	1	\$6,547,299.75	\$1,243,986.95	\$7,791,286.70	\$12,068,246.00	\$2,292,966.74	\$14,361,212.74	\$8,424,554.00	\$1,600,665.26	\$10,025,219.26	\$9,013,366.58	\$10,725,906.23
3027	Tubing de aceite lubricacion superior turbo				UND	1	\$1,705,362.00	\$324,018.78	\$2,029,380.78	\$1,049,561.00	\$199,416.59	\$1,248,977.59	\$1,010,522.25	\$191,999.23	\$1,202,521.48	\$1,255,148.42	\$1,493,626.62
3028	Solenoido motor de arranque				UND	1	\$3,512,102.00	\$667,299.38	\$4,179,401.38	\$2,344,094.25	\$445,377.91	\$2,789,472.16	\$6,484,763.00	\$1,232,104.97	\$7,716,867.97	\$4,113,653.08	\$4,895,247.17
3029	Tubing de aceite lubricacion inferior turbo				UND	1	\$984,907.00	\$187,132.33	\$1,172,039.33	\$826,096.50	\$156,958.33	\$983,054.83	\$841,232.00	\$159,834.08	\$1,001,066.08	\$884,078.50	\$1,052,053.41
3030	Empaque del turbo				UND	1	\$547,985.00	\$104,117.15	\$652,102.15	\$403,455.75	\$76,656.59	\$480,112.34	\$1,060,852.00	\$201,561.88	\$1,262,413.88	\$670,764.25	\$798,209.46
3031	valvula de control				UND	1	\$8,304,932.00	\$1,577,937.08	\$9,882,869.08	\$5,367,687.00	\$1,019,860.53	\$6,387,547.53	\$4,162,966.50	\$790,963.64	\$4,953,930.14	\$5,945,195.17	\$7,074,782.25
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ITEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION														
3043	Alternador		UND	1	\$12,839,297.00	\$2,439,466.43	\$15,278,763.43	\$10,964,798.00	\$2,083,311.62	\$13,048,109.62	\$8,983,863.75	\$1,706,934.11	\$10,690,797.86	\$10,929,319.58	\$13,005,890.30
3044	Llantas 1400 X 24 (16 lonas) con protector		UND	1	\$7,842,880.00	\$1,490,147.20	\$9,333,027.20	\$9,170,714.00	\$1,742,435.66	\$10,913,149.66	\$7,380,990.00	\$1,402,388.10	\$8,783,378.10	\$8,131,528.00	\$9,676,518.32
3045	Neumáticos 1400x24		UND	1	\$243,473.00	\$46,259.87	\$289,732.87	\$216,451.00	\$41,125.69	\$257,576.69	\$421,165.00	\$80,021.35	\$501,186.35	\$293,696.33	\$349,498.64
3046	Cuchillas para la pala		UND	1	\$2,233,276.00	\$424,322.44	\$2,657,598.44	\$2,150,333.00	\$408,563.27	\$2,558,896.27	\$3,939,911.00	\$748,583.09	\$4,688,494.09	\$2,774,506.67	\$3,301,662.93
3047	Esquineros para la pala		UND	1	\$1,450,214.00	\$275,540.66	\$1,725,754.66	\$2,612,904.00	\$496,451.76	\$3,109,355.76	\$1,362,864.75	\$258,944.30	\$1,621,809.05	\$1,808,660.92	\$2,152,306.49
3048	Sobre esquineras para la pala		UND	1	\$1,995,427.00	\$379,131.13	\$2,374,558.13	\$3,745,019.00	\$711,553.61	\$4,456,572.61	\$1,764,927.00	\$335,336.13	\$2,100,263.13	\$2,501,791.00	\$2,977,131.29
3049	Tornillos con tuerca para las cuchillas		UND	1	\$159,245.00	\$30,256.55	\$189,501.55	\$120,811.50	\$22,954.19	\$143,765.69	\$275,715.00	\$52,385.85	\$328,100.85	\$185,257.17	\$220,456.03
3050	Tornillos con tuerca para los esquineros		UND	1	\$270,526.50	\$51,400.04	\$321,926.54	\$602,190.00	\$114,416.10	\$716,606.10	\$328,259.00	\$62,369.21	\$390,628.21	\$400,325.17	\$476,386.95
3051	Cadenas para tándem		UND	1	\$3,892,844.25	\$739,640.41	\$4,632,484.66	\$4,763,683.00	\$905,099.77	\$5,668,782.77	\$4,634,428.00	\$880,541.32	\$5,514,969.32	\$4,430,318.42	\$5,272,078.92
3052	Sellos para mando final		UND	1	\$1,554,538.50	\$295,362.32	\$1,849,900.82	\$3,145,751.00	\$597,692.69	\$3,743,443.69	\$2,160,413.00	\$410,478.47	\$2,570,891.47	\$2,286,900.83	\$2,721,411.99
3053	Sellos oring mando final		UND	1	\$401,805.00	\$76,342.95	\$478,147.95	\$300,711.75	\$57,135.23	\$357,846.98	\$514,807.00	\$97,813.33	\$612,620.33	\$405,774.58	\$482,871.75
3054	Válvulas mando final		UND	1	\$3,012,658.00	\$572,405.02	\$3,585,063.02	\$1,759,826.00	\$334,366.94	\$2,094,192.94	\$1,180,943.25	\$224,379.22	\$1,405,322.47	\$1,984,475.75	\$2,361,526.14
3055	Rodillos con cuna del tandem		UND	1	\$1,166,159.00	\$221,570.21	\$1,387,729.21	\$1,038,370.50	\$197,290.39	\$1,235,660.89	\$1,304,512.00	\$247,857.28	\$1,552,369.28	\$1,169,680.50	\$1,391,919.79
3056	Terminales de dirección Juegos		JUEGO	1	\$8,247,167.00	\$1,566,961.73	\$9,814,128.73	\$7,809,319.00	\$1,483,770.61	\$9,293,089.61	\$7,121,763.00	\$1,353,134.97	\$8,474,897.97	\$7,726,083.00	\$9,194,038.77
3057	Strip para el tornamesa		UND	1	\$3,613,479.00	\$686,561.01	\$4,300,040.01	\$1,931,330.00	\$366,952.70	\$2,298,282.70	\$1,726,247.25	\$327,986.98	\$2,054,234.23	\$2,423,685.42	\$2,884,185.65
3058	Sellos para el tornamesa		UND	1	\$1,084,046.25	\$205,968.79	\$1,290,015.04	\$2,751,993.00	\$522,878.67	\$3,274,871.67	\$1,454,694.00	\$276,391.86	\$1,731,085.86	\$1,763,577.75	\$2,098,657.52
3059	Eje tornamesa		UND	1	\$17,891,184.75	\$3,399,325.10	\$21,290,509.85	\$30,236,991.00	\$5,745,028.29	\$35,982,019.29	\$25,015,376.00	\$4,752,921.44	\$29,768,297.44	\$24,381,183.92	\$29,013,608.96
3060	Sifin tornamesa		UND	1	\$11,430,318.00	\$2,171,760.42	\$13,602,078.42	\$16,294,355.00	\$3,095,927.45	\$19,390,282.45	\$16,538,985.00	\$3,142,407.15	\$19,681,392.15	\$14,754,552.67	\$17,557,917.67
3061	Exploradoras 24V		UND	1	\$2,479,684.50	\$471,140.06	\$2,950,824.56	\$2,732,953.00	\$519,261.07	\$3,252,214.07	\$3,247,112.00	\$616,951.28	\$3,864,063.28	\$2,819,916.50	\$3,355,700.64
3062	Baterías 4D1400		UND	1	\$2,405,000.00	\$456,950.00	\$2,861,950.00	\$3,091,378.00	\$587,361.82	\$3,678,739.82	\$4,254,182.00	\$808,294.58	\$5,062,476.58	\$3,250,186.67	\$3,867,722.13
3063	Bornes batería		UND	1	\$159,831.00	\$30,367.89	\$190,198.89	\$218,203.00	\$41,458.57	\$259,661.57	\$138,269.25	\$26,271.16	\$164,540.41	\$172,101.08	\$204,800.29
3064	Sello retenedor 62x85x12		UND	1	\$749,555.25	\$142,415.50	\$891,970.75	\$1,553,757.00	\$295,213.83	\$1,848,970.83	\$1,072,302.00	\$203,737.38	\$1,276,039.38	\$1,125,204.75	\$1,338,993.65
3065	Rodamiento 322/16		UND	1	\$396,561.00	\$75,346.59	\$471,907.59	\$377,206.50	\$71,669.24	\$448,875.74	\$658,459.00	\$125,107.21	\$783,566.21	\$477,408.83	\$568,116.51
3066	Fusible piñón de ataque		UND	1	\$1,673,501.00	\$317,965.19	\$1,991,466.19	\$2,221,618.00	\$422,107.42	\$2,643,725.42	\$1,299,321.75	\$246,871.13	\$1,546,192.88	\$1,731,480.25	\$2,060,461.50
3067	empaque lamina exosto		UND	1	\$413,633.00	\$78,590.27	\$492,223.27	\$276,823.50	\$52,596.46	\$329,419.96	\$403,315.00	\$76,629.85	\$479,944.85	\$364,590.50	\$433,862.69
3068	Tubo de escape		UND	1	\$2,516,974.00	\$478,225.06	\$2,995,199.06	\$3,617,686.00	\$687,360.34	\$4,305,046.34	\$2,083,085.25	\$395,786.20	\$2,478,871.45	\$2,739,248.42	\$3,259,705.62
3069	Turbo		UND	1	\$37,409,176.00	\$7,107,743.44	\$44,516,919.44	\$20,263,484.25	\$3,850,062.01	\$24,113,546.26	\$30,356,149.00	\$5,767,668.31	\$36,123,817.31	\$29,342,936.42	\$34,918,094.34
3070	Empaque escape		UND	1	\$863,695.00	\$164,102.05	\$1,027,797.05	\$505,854.00	\$96,112.26	\$601,966.26	\$697,389.00	\$132,503.91	\$829,892.91	\$688,979.33	\$819,885.41
3071	Retenedor cigñel del delantero		UND	1	\$1,838,676.00	\$349,348.44	\$2,188,024.44	\$2,388,416.00	\$453,799.04	\$2,842,215.04	\$4,333,788.00	\$823,419.72	\$5,157,207.72	\$2,853,626.67	\$3,395,815.73
3072	Tapa radiador		UND	1	\$285,431.25	\$54,231.94	\$339,663.19	\$448,182.00	\$85,154.58	\$533,336.58	\$352,852.00	\$67,041.88	\$419,893.88	\$362,155.08	\$430,964.55
3073	Direccionales		UND	1	\$1,662,629.25	\$315,899.56	\$1,978,528.81	\$1,867,476.00	\$354,820.44	\$2,222,296.44	\$2,802,357.00	\$532,447.83	\$3,334,804.83	\$2,110,820.75	\$2,511,876.69
3074	Pito de reversa		UND	1	\$2,276,363.25	\$432,509.02	\$2,708,872.27	\$2,584,769.00	\$491,106.11	\$3,075,875.11	\$2,616,511.00	\$497,137.09	\$3,113,648.09	\$2,492,547.75	\$2,966,131.82
3075	Piñón de ataque		UND	1	\$17,278,823.00	\$3,282,976.37	\$20,561,799.37	\$22,555,743.00	\$4,285,591.17	\$26,841,334.17	\$16,243,025.25	\$3,086,174.80	\$19,329,200.05	\$18,692,530.42	\$22,244,111.20
3076	Reloj presion temperatura		UND	1	\$2,306,371.00	\$438,210.49	\$2,744,581.49	\$1,945,155.75	\$369,579.59	\$2,314,735.34	\$3,806,882.00	\$723,307.58	\$4,530,189.58	\$2,686,136.25	\$3,196,502.14
3077	Bombin transferencia		UND	1	\$1,784,200.50	\$338,980.10	\$2,123,180.60	\$2,601,580.00	\$494,300.20	\$3,095,880.20	\$4,431,082.00	\$841,905.58	\$5,272,987.58	\$2,938,954.17	\$3,497,355.46
3078	Bomba hidraulica		UND	1	\$28,418,811.00	\$5,399,574.09	\$33,818,385.09	\$46,983,364.00	\$8,926,839.16	\$55,910,203.16	\$35,040,360.00	\$6,657,668.40	\$41,698,028.40	\$36,814,178.33	\$43,808,872.22
3079	Motor direccion		UND	1	\$17,292,420.75	\$3,285,559.94	\$20,577,980.69	\$18,368,297.00	\$3,489,976.43	\$21,858,273.43	\$27,988,924.00	\$5,317,895.56	\$33,306,819.56	\$21,216,547.25	\$25,247,691.23
3080	Tuercas carraca pala		UND	1	\$325,063.00	\$61,761.97	\$386,824.97	\$173,965.00	\$33,053.35	\$207,018.35	\$134,114.25	\$25,481.71	\$159,595.96	\$211,047.42	\$251,146.43
3081	Rodamientos arranque		UND	1	\$286,341.00	\$54,404.79	\$340,745.79	\$342,158.00	\$65,010.02	\$407,168.02	\$193,669.50	\$36,797.21	\$230,466.71	\$274,056.17	\$326,126.84
3082	Escobillas arranque		UND	1	\$518,980.00	\$98,606.20	\$617,586.20	\$407,446.50	\$77,414.84	\$484,861.34	\$639,890.00	\$121,579.10	\$761,469.10	\$522,105.50	\$621,305.55
3083	Guaya para apagador		UND	1	\$2,474,297.00	\$470,116.43	\$2,944,413.43	\$1,486,159.00	\$282,370.21	\$1,768,529.21	\$1,081,836.75	\$205,548.98	\$1,287,385.73	\$1,680,764.25	\$2,000,109.46
3084	Bombillo halogeno 12v		UND	1	\$329,418.00	\$62,589.42	\$392,007.42	\$167,890.50	\$31,899.19	\$199,789.69	\$168,089.00	\$31,936.91	\$200,025.91	\$221,799.17	\$263,941.01
3085	Barra cromada 35mmx36cm		UND	1	\$5,730,048.00	\$1,088,709.12	\$6,818,757.12	\$6,298,777.00	\$1,196,767.63	\$7,495,544.63	\$4,018,569.75	\$763,528.25	\$4,782,098.00	\$5,349,131.58	\$6,365,466.58
3086	Empaquetadura del regulador y compensador de la bomba de inyeccion		UND	1	\$1,750,232.25	\$332,544.13	\$2,082,776.38	\$3,572,695.00	\$678,812.05	\$4,251,507.05	\$2,410,236.00	\$457,944.84	\$2,868,180.84	\$2,577,721.08	\$3,067,488.09
3087	K0700015290 Oring		UND	1	\$129,154.20	\$24,539.30	\$153,693.50	\$262,731.00	\$49,918.89	\$312,649.89	\$189,998.00	\$36,099.62	\$226,097.62	\$193,961.07	\$230,813.67
3088	K0700015310 oring		UND	1	\$125,511.00	\$23,847.09	\$149,358.09	\$161,338.00	\$30,654.22	\$191,992.22	\$109,532.40	\$20,811.16	\$130,343.56	\$132,127.13	\$157,231.29
3089	K0406511254 snap ring		UND	1	\$126,777.00	\$24,087.63	\$150,864.63	\$65,441.70	\$12,433.92	\$77,875.62	\$66,129.00	\$12,564.51	\$78,693.51	\$86,115.90	\$102,477.92
3090	K0604006214 rodamiento		UND	1	\$261,138.00	\$49,616.22	\$310,754.22	\$255,806.00	\$48,603.14	\$304,409.14	\$247,426.20	\$47,010.98	\$294,437.18	\$254,790.07	\$303,200.18
3091	K0701200080 sello retenedor		UND	1	\$315,535.20	\$59,951.69	\$375,486.89	\$399,206.00	\$75,849.14	\$475,055.14	\$535,334.00	\$101,713.46	\$637,047.46	\$414	

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO		
	REPUESTOS					VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA	
	DESCRIPCION																
3102	Chapa externa cromada con llaves puerta izquierda				UND	1	\$1,030,048.00	\$195,709.12	\$1,225,757.12	\$759,476.00	\$144,300.44	\$903,776.44	\$628,329.60	\$119,382.62	\$747,712.22	\$805,951.20	\$959,081.93
3103	BARRA DIRECCION TRANSVERSAL				UND	1	\$9,048,535.00	\$1,719,221.65	\$10,767,756.65	\$10,044,449.00	\$1,908,445.31	\$11,952,894.31	\$6,977,269.50	\$1,325,681.21	\$8,302,950.71	\$8,690,084.50	\$10,341,200.56
3104	Anillo de compresion y empaques externos turbo				UND	1	\$1,880,878.00	\$357,366.82	\$2,238,244.82	\$3,358,031.00	\$638,025.89	\$3,996,056.89	\$1,434,429.00	\$272,541.51	\$1,706,970.51	\$2,224,446.00	\$2,647,090.74
	MANO DE OBRA																
	DESCRIPCION				UNIDAD	CANT											
3105	Mantenimiento preventivo 250 horas				UND	1	\$2,174,685.00	\$413,190.15	\$2,587,875.15	\$1,429,237.50	\$271,555.12	\$1,700,792.62	\$1,626,575.00	\$309,049.25	\$1,935,624.25	\$1,743,499.17	\$2,074,764.01
3106	Mantenimiento preventivo 500 horas				UND	1	\$1,672,163.00	\$317,710.97	\$1,989,873.97	\$1,146,426.00	\$217,820.94	\$1,364,246.94	\$2,638,137.00	\$501,246.03	\$3,139,383.03	\$1,818,908.67	\$2,164,501.31
3107	Mantenimiento preventivo 1000 horas				UND	1	\$1,943,874.00	\$369,336.06	\$2,313,210.06	\$1,527,812.25	\$290,284.33	\$1,818,096.58	\$1,565,959.00	\$297,532.21	\$1,863,491.21	\$1,679,215.08	\$1,998,265.95
3108	Mantenimiento preventivo 2000 horas				UND	1	\$1,426,870.50	\$271,105.40	\$1,697,975.90	\$2,582,478.00	\$490,670.82	\$3,073,148.82	\$1,481,308.00	\$281,448.52	\$1,762,756.52	\$1,830,218.83	\$2,177,960.41
3109	Desmonte y montaje de motor				UND	1	\$1,733,071.50	\$329,283.59	\$2,062,355.09	\$3,371,101.00	\$640,509.19	\$4,011,610.19	\$2,021,627.00	\$384,109.13	\$2,405,736.13	\$2,375,266.50	\$2,826,567.14
3110	M.O. reparación general icluye trabajo de mecanica y rectificadora				GLOBAL	1	\$13,670,180.25	\$2,597,334.25	\$16,267,514.50	\$15,067,425.00	\$2,862,810.75	\$17,930,235.75	\$17,495,213.00	\$3,324,090.47	\$20,819,303.47	\$15,410,939.42	\$18,339,017.91
3111	Desmontar y montar soporte de motor (un solo)				UND	1	\$8,638,151.00	\$1,641,248.69	\$10,279,399.69	\$7,340,293.50	\$1,394,655.76	\$8,734,949.26	\$10,699,002.00	\$2,032,810.38	\$12,731,812.38	\$8,892,482.17	\$10,582,053.78
3112	Desmontar y montar guaya de control de cambios				UND	1	\$585,203.00	\$111,188.57	\$696,391.57	\$535,097.00	\$101,668.43	\$636,765.43	\$451,230.00	\$85,733.70	\$536,963.70	\$523,843.33	\$623,373.57
3113	Desmontar y montar guaya de control de avance				UND	1	\$558,581.25	\$106,130.44	\$664,711.69	\$612,349.00	\$116,346.31	\$728,695.31	\$613,447.00	\$116,554.93	\$730,001.93	\$594,792.42	\$707,802.98
3114	Desmontar y montar guaya de freno de paqueo				UND	1	\$962,195.00	\$182,817.05	\$1,145,012.05	\$574,166.00	\$109,091.54	\$683,257.54	\$530,727.00	\$100,838.13	\$631,565.13	\$689,029.33	\$819,944.91
3115	Desmontar y montar Cilindro de freno para cambio de sellos				UND	1	\$2,098,758.00	\$398,764.02	\$2,497,522.02	\$1,672,656.00	\$317,804.64	\$1,990,460.64	\$1,283,073.75	\$243,784.01	\$1,526,857.76	\$1,684,829.25	\$2,004,946.81
3116	los frenos				UND	1	\$10,011,435.00	\$1,902,172.65	\$11,913,607.65	\$5,624,151.00	\$1,068,588.69	\$6,692,739.69	\$3,921,451.50	\$745,075.79	\$4,666,527.29	\$6,519,012.50	\$7,757,624.88
3117	Desmontar y montar bomba del pedal de freno				UND	1	\$761,505.00	\$144,685.95	\$906,190.95	\$771,792.00	\$146,640.48	\$918,432.48	\$981,999.00	\$186,579.81	\$1,168,578.81	\$838,432.00	\$997,734.08
3118	Desmontar y montar de bombas de freno				UND	1	\$1,214,851.00	\$230,821.69	\$1,445,672.69	\$1,695,863.00	\$322,213.97	\$2,018,076.97	\$1,104,075.00	\$209,774.25	\$1,313,849.25	\$1,338,263.00	\$1,592,532.97
3119	Cambio de empaquetadura bomba de freno				UND	1	\$1,128,825.00	\$214,476.75	\$1,343,301.75	\$1,571,486.00	\$298,582.34	\$1,870,068.34	\$933,135.75	\$177,295.79	\$1,110,431.54	\$1,211,148.92	\$1,441,267.21
3120	Desmonte freno de seguridad para cambio de bandas y resortes				UND	1	\$2,683,599.00	\$509,883.81	\$3,193,482.81	\$1,495,366.00	\$284,119.54	\$1,779,485.54	\$1,069,233.75	\$203,154.41	\$1,272,388.16	\$1,749,399.58	\$2,081,785.50
3121	Remachada de bandas de freno				UND	1	\$2,511,404.25	\$477,166.81	\$2,988,571.06	\$2,550,760.00	\$484,644.40	\$3,035,404.40	\$3,821,680.00	\$726,119.20	\$4,547,799.20	\$2,961,281.42	\$3,523,924.89
3122	Cambio de empaque tapa válvulas motor				UND	1	\$1,768,742.00	\$336,060.98	\$2,104,802.98	\$2,428,263.00	\$461,369.97	\$2,889,632.97	\$1,469,917.50	\$279,284.33	\$1,749,201.83	\$1,889,974.17	\$2,247,879.26
3123	Desmontar y montar piñon de ataque				UND	1	\$3,153,840.00	\$599,229.60	\$3,753,069.60	\$4,746,921.00	\$901,914.99	\$5,648,835.99	\$2,812,336.50	\$534,343.94	\$3,346,680.44	\$3,571,032.50	\$4,249,528.68
3124	Desmontar y montar eje piñon de ataque				UND	1	\$4,548,273.00	\$864,171.87	\$5,412,444.87	\$2,346,435.00	\$445,822.65	\$2,792,257.65	\$2,253,246.75	\$428,116.88	\$2,681,363.63	\$3,049,318.25	\$3,628,688.72
3125	discos sellos oring y partes afectadas				GLOBAL	1	\$8,726,310.00	\$1,657,998.90	\$10,384,308.90	\$7,681,593.00	\$1,459,502.67	\$9,141,095.67	\$7,151,237.25	\$1,358,735.08	\$8,509,972.33	\$7,853,046.75	\$9,345,125.63
3126	Desmontar y montar turbo.				UND	1	\$1,774,685.00	\$337,190.15	\$2,111,875.15	\$1,722,625.00	\$327,298.75	\$2,049,923.75	\$1,390,791.75	\$264,250.43	\$1,655,042.18	\$1,629,367.25	\$1,938,947.03
3127	Servicio de repacion general turbo incluye cambio de partes afectadas				UND	1	\$9,795,806.25	\$1,861,203.19	\$11,657,009.44	\$18,587,869.00	\$3,151,695.11	\$19,739,564.11	\$12,227,522.00	\$2,323,229.18	\$14,550,751.18	\$12,870,399.08	\$15,315,774.91
3128	Desmontar y montar terminal de direccion (un solo lado)				UND	1	\$1,416,673.00	\$269,167.87	\$1,685,840.87	\$1,006,475.25	\$191,230.30	\$1,197,705.55	\$2,323,775.00	\$441,517.25	\$2,765,292.25	\$1,582,307.75	\$1,882,946.22
3129	Desmontar y montar sproket mando final (uno lado)				UND	1	\$2,057,431.00	\$390,911.89	\$2,448,342.89	\$1,933,728.00	\$367,408.32	\$2,301,136.32	\$1,570,036.50	\$298,306.94	\$1,868,343.44	\$1,853,731.83	\$2,205,940.88
3130	Desmontar y montar sproket tandem (uno lado)				UND	1	\$3,756,183.00	\$713,674.77	\$4,469,857.77	\$2,233,435.00	\$424,352.65	\$2,657,787.65	\$1,768,618.50	\$336,037.52	\$2,104,656.02	\$2,586,078.83	\$3,077,433.81
3131	Desmontar y montar Mando final para cambio de empaquetadura y sello				UND	1	\$5,363,250.00	\$1,019,017.50	\$6,382,267.50	\$2,797,113.00	\$531,451.47	\$3,328,564.47	\$3,259,418.00	\$619,289.42	\$3,878,707.42	\$3,806,593.67	\$4,529,846.46
3132	Desmontar y montar cadena tandem (un solo Lado)				UND	1	\$2,988,416.00	\$567,799.04	\$3,556,215.04	\$4,395,009.00	\$835,051.71	\$5,230,060.71	\$2,191,201.50	\$416,328.29	\$2,607,529.79	\$3,191,542.17	\$3,797,935.18
3133	empaquetadura				UND	1	\$1,338,699.75	\$254,352.95	\$1,593,052.70	\$1,602,550.00	\$304,484.50	\$1,907,034.50	\$2,224,367.00	\$422,629.73	\$2,646,996.73	\$1,721,872.25	\$2,049,027.98
3134	empaquetadura				UND	1	\$2,003,153.00	\$380,599.07	\$2,383,752.07	\$3,643,946.00	\$692,349.74	\$4,336,295.74	\$1,342,362.75	\$255,048.92	\$1,597,411.67	\$2,329,820.58	\$2,772,486.49
3135	cambio de empaquetadura				UND	1	\$1,659,756.00	\$315,353.64	\$1,975,109.64	\$1,171,761.75	\$222,634.73	\$1,394,396.48	\$2,231,134.00	\$423,915.46	\$2,655,049.46	\$1,687,550.58	\$2,008,185.19
3136	empaquetadura				UND	1	\$2,001,265.50	\$380,240.45	\$2,381,505.95	\$3,024,690.00	\$574,691.10	\$3,599,381.10	\$2,358,713.00	\$448,155.47	\$2,806,868.47	\$2,461,556.17	\$2,929,251.84
3137	empaquetadura				UND	1	\$1,538,053.50	\$292,230.17	\$1,830,283.67	\$1,906,018.00	\$362,143.42	\$2,268,161.42	\$1,849,846.00	\$351,470.74	\$2,201,316.74	\$1,764,639.17	\$2,099,920.61
3138	cambio de empaquetadura				UND	1	\$984,467.25	\$187,048.78	\$1,171,516.03	\$2,639,943.00	\$501,589.17	\$3,141,532.17	\$1,409,249.00	\$267,757.31	\$1,677,006.31	\$1,677,886.42	\$1,996,684.84
3139	Desmontar y motor carcaza de distribucion motor				UND	1	\$2,139,764.00	\$406,555.16	\$2,546,319.16	\$1,126,565.25	\$214,047.40	\$1,340,612.65	\$1,176,822.00	\$223,596.18	\$1,400,418.18	\$1,481,050.42	\$1,762,450.00
3140	Desmontar y montar servotransmission completa				UND	1	\$1,353,785.25	\$257,219.20	\$1,611,004.45	\$1,563,277.00	\$297,022.63	\$1,860,299.63	\$2,324,212.00	\$441,600.28	\$2,765,812.28	\$1,747,091.42	\$2,079,038.79
3141	en mal estado y asjute				GLOBAL	1	\$18,172,052.00	\$3,452,689.88	\$21,624,741.88	\$20,124,816.00	\$3,823,715.04	\$23,948,531.04	\$13,919,344.50	\$2,644,675.46	\$16,564,019.96	\$17,405,404.17	\$20,712,430.96
3142	estado				GLOBAL	1	\$1,336,527.00	\$253,940.13	\$1,590,467.13	\$888,679.00	\$168,849.01	\$1,057,528.01	\$707,523.00	\$134,429.37	\$841,952.37	\$977,576.33	\$1,163,315.84
3143	direccion (divisora) para cambio de empaquetadura				UND	1	\$13,912,727.00	\$2,643,418.13	\$16,556,145.13	\$12,936,921.00	\$2,458,014.99	\$15,394,935.99	\$19,268,345.00	\$3,660,985.55	\$22,929,330.55	\$15,372,664.33	\$18,293,470.56
3144	empaquetadura				UND	1	\$2,127,824.00	\$404,286.56	\$2,532,110.56	\$1,740,103.50	\$330,619.66	\$2,070,723.16	\$4,177,342.00	\$793,694.96	\$4,971,036.96	\$2,681,756.50	\$3,191,290.23
3145	Cambio de crucetas cardan				UND	1	\$1,281,638.00	\$243,511.22	\$1,525,149.22	\$1,108,110.75	\$210,541.04	\$1,318,651.79	\$2,354,887.00	\$447,428.53	\$2,802,315.53	\$1,581,545.25	\$1,882,038.85
3146	Desmontar y montar compresor de aire para cambio de empaques y sellos				UND	1	\$1,255,615.00	\$238,566.85	\$1,494,181.85	\$883,738.50	\$167,910.32	\$1,051,648.82	\$1,236,946.00	\$235,019.74	\$1,471,965.74	\$1,125,433.17	\$1,339,265.47
3147	trabajos de rectificadora				GLOBAL	1	\$783,636.00	\$148,890.84	\$932,526.84	\$1,906,688.00	\$362,270.72	\$2,268,958.72	\$990,672.00	\$188,227.68	\$1,178,899.68	\$1,226,998.67	\$1,460,128.41
3148	Desmontar y montar bomba de agua para reparacion				UND	1	\$2,297,404.00	\$436,506.76	\$2,733,910.76	\$1,799,575.50	\$341,919.34	\$2,141,494.84	\$2,359,253.00	\$4448			

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO			
	REPUESTOS					VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA		
	DESCRIPCION																	
3159	Mantenimiento Del Sistema Hidráulico: Cambio De Filtros Y Aceite Hidráulico					UND	1	\$8,526,612.00	\$1,620,056.28	\$10,146,668.28	\$5,941,683.00	\$1,128,919.77	\$7,070,602.77	\$4,437,459.75	\$843,117.35	\$5,280,577.10	\$6,301,918.25	\$7,499,282.72
3160	Reparacion de piñon de ataque					UND	1	\$2,609,149.50	\$495,738.41	\$3,104,887.91	\$5,749,744.00	\$1,092,451.36	\$6,842,195.36	\$3,088,583.00	\$586,830.77	\$3,675,413.77	\$3,815,825.50	\$4,540,832.35
3161	Desmonte y montar termostato					UND	1	\$836,195.00	\$158,877.05	\$995,072.05	\$576,017.00	\$109,443.23	\$685,460.23	\$533,718.00	\$101,406.42	\$635,124.42	\$648,643.33	\$771,885.57
3162	Desarme motor de giro tornamesa para reparacion					UND	1	\$4,012,419.00	\$762,359.61	\$4,774,778.61	\$2,122,648.00	\$403,303.12	\$2,525,951.12	\$1,649,275.50	\$313,362.35	\$1,962,637.85	\$2,594,780.83	\$3,087,789.19
3163	Cambio relay de encendido					UND	1	\$3,792,871.50	\$720,645.59	\$4,513,517.09	\$5,567,332.00	\$1,057,793.08	\$6,625,125.08	\$8,697,262.00	\$1,652,479.78	\$10,349,741.78	\$6,019,155.17	\$7,162,794.65
3164	M.O. instalación de vidrios cabina (uno solo)					UND	1	\$168,958.00	\$117,602.02	\$286,560.02	\$476,075.25	\$90,454.30	\$566,529.55	\$792,556.00	\$150,585.64	\$943,141.64	\$629,196.42	\$748,743.74
3165	Desmontar y montar motor de arranque para reparacion					UND	1	\$858,599.00	\$163,133.81	\$1,021,732.81	\$374,190.75	\$71,096.24	\$445,286.99	\$469,545.00	\$89,213.55	\$558,758.55	\$567,444.92	\$675,259.45
3166	Desmontar y montar apagador electrico motor					UND	1	\$473,492.00	\$89,963.48	\$563,455.48	\$320,302.50	\$60,857.47	\$381,159.97	\$344,300.00	\$65,417.00	\$409,717.00	\$379,364.83	\$451,444.15
3167	Desmontar radiador					UND	1	\$582,026.00	\$110,584.94	\$692,610.94	\$427,691.25	\$81,261.34	\$508,952.59	\$897,322.00	\$170,491.18	\$1,067,813.18	\$635,679.75	\$756,458.90
3168	Lavado de tandems					UND	1	\$799,006.00	\$151,811.14	\$950,817.14	\$794,224.50	\$150,902.65	\$945,127.15	\$973,068.00	\$184,882.92	\$1,157,950.92	\$855,432.83	\$1,017,965.07
3169	Desmontar mangueras enfriador aceite para cambio					UND	1	\$749,829.75	\$142,467.65	\$892,297.40	\$1,078,655.00	\$204,944.45	\$1,283,599.45	\$1,466,667.00	\$278,666.73	\$1,745,333.73	\$1,098,383.92	\$1,307,076.86
3170	Desmonte base servo para revision de piñones y rodamientos					UND	1	\$2,718,229.00	\$516,463.51	\$3,234,692.51	\$3,404,093.00	\$646,777.67	\$4,050,870.67	\$2,200,278.00	\$418,052.82	\$2,618,330.82	\$2,774,200.00	\$3,301,298.00
3171	Lavado de tanque de combustible					UND	1	\$1,098,981.00	\$208,806.39	\$1,307,787.39	\$1,833,563.00	\$348,376.97	\$2,181,939.97	\$895,071.75	\$170,063.63	\$1,065,135.38	\$1,275,871.92	\$1,518,287.58
3172	Desmontar enfriador de aceite para cambio de empaques					UND	1	\$918,596.00	\$174,533.24	\$1,093,129.24	\$1,365,617.00	\$259,467.23	\$1,625,084.23	\$728,882.25	\$138,487.63	\$867,369.88	\$1,004,365.08	\$1,195,194.45
3173	Mantenimiento general radiador					UND	1	\$1,141,543.50	\$216,893.27	\$1,358,436.77	\$2,284,647.00	\$434,082.93	\$2,718,729.93	\$1,155,465.00	\$219,538.35	\$1,375,003.35	\$1,527,218.50	\$1,817,390.02
3174	Mantenimiento general enfriador					UND	1	\$2,423,425.00	\$460,450.75	\$2,883,875.75	\$1,392,126.00	\$264,503.94	\$1,656,629.94	\$1,672,281.00	\$317,733.39	\$1,990,014.39	\$1,829,277.33	\$2,176,840.03
3175	Desmontar manguera de radiador para cambio					UND	1	\$2,751,558.75	\$522,796.16	\$3,274,354.91	\$4,124,502.00	\$783,655.38	\$4,908,157.38	\$5,502,447.00	\$1,045,464.93	\$6,547,911.93	\$4,126,169.25	\$4,910,141.41
3176	Cambio de bombin					UND	1	\$642,162.00	\$122,010.78	\$764,172.78	\$695,046.00	\$132,058.74	\$827,104.74	\$1,080,462.00	\$205,287.78	\$1,285,749.78	\$805,890.00	\$959,009.10
3177	Desmontar strip para cambio y calibracion tornamesa					UND	1	\$3,797,028.00	\$721,435.32	\$4,518,463.32	\$3,600,419.00	\$684,079.61	\$4,284,498.61	\$2,534,871.00	\$481,625.49	\$3,016,496.49	\$3,310,772.67	\$3,939,819.47
3178	Desmontar carracas (un solo lado)					UND	1	\$2,815,354.00	\$534,917.26	\$3,350,271.26	\$2,554,404.00	\$485,336.76	\$3,039,740.76	\$2,323,020.75	\$441,373.94	\$2,764,394.69	\$2,564,259.58	\$3,051,468.90
3179	empaquetadura y partes afectadas					UND	1	\$8,949,640.00	\$1,700,431.60	\$10,650,071.60	\$8,702,414.25	\$1,653,458.71	\$10,355,872.96	\$14,014,259.00	\$2,662,709.21	\$16,676,968.21	\$10,555,437.75	\$12,560,970.92
3180	empaquetadura y partes afectadas					UND	1	\$6,191,780.25	\$1,176,438.25	\$7,368,218.50	\$14,879,967.00	\$2,827,193.73	\$17,707,160.73	\$7,716,951.00	\$1,466,220.69	\$9,183,171.69	\$9,596,232.75	\$11,419,516.97
3181	Limpieza sistema hidraulico					UND	1	\$7,663,014.00	\$1,455,972.66	\$9,118,986.66	\$5,256,124.00	\$998,663.56	\$6,254,787.56	\$3,631,734.75	\$690,029.60	\$4,321,764.35	\$5,516,957.58	\$6,565,179.52
3182	Desmontar pechera					UND	1	\$792,251.25	\$150,527.74	\$942,778.99	\$1,791,086.00	\$340,306.34	\$2,131,392.34	\$1,106,876.00	\$210,306.44	\$1,317,182.44	\$1,230,071.08	\$1,463,784.59
3183	Desmontar bomba de inyeccion					UND	1	\$1,620,864.75	\$307,964.30	\$1,928,829.05	\$2,334,369.00	\$443,530.11	\$2,777,899.11	\$2,021,310.00	\$384,048.90	\$2,405,358.90	\$1,992,181.25	\$2,370,695.69
3184	laboratorio					GLOBAL	1	\$14,717,614.00	\$2,796,346.66	\$17,513,960.66	\$12,899,589.00	\$2,450,921.91	\$15,350,510.91	\$19,505,382.00	\$3,706,022.58	\$23,211,404.58	\$15,707,528.33	\$18,691,958.72
3185	Desmontar y montar guaya apagador electrico motor					UND	1	\$1,838,470.00	\$349,309.30	\$2,187,779.30	\$1,346,867.00	\$255,904.73	\$1,602,771.73	\$948,042.75	\$180,128.12	\$1,128,170.87	\$1,377,793.25	\$1,639,573.97
3186	Reparacion de barra transversal de direccion					UND	1	\$1,578,395.00	\$299,895.05	\$1,878,290.05	\$1,435,269.00	\$272,701.11	\$1,707,970.11	\$969,346.50	\$184,175.84	\$1,153,522.34	\$1,327,670.17	\$1,579,927.50
3187	Lavado interno tandems					UND	1	\$814,577.00	\$154,769.63	\$969,346.63	\$717,007.50	\$136,231.42	\$853,238.92	\$824,787.00	\$156,709.53	\$981,496.53	\$785,457.17	\$934,694.03
3188	Desmonte soportes niel					UND	1	\$1,014,124.50	\$192,683.66	\$1,206,808.16	\$1,259,592.00	\$239,322.48	\$1,498,914.48	\$1,763,086.00	\$334,986.34	\$2,098,072.34	\$1,345,600.83	\$1,601,264.99
3189	Desmonte y montar bomba de transferencia					UND	1	\$1,357,971.00	\$258,014.49	\$1,615,985.49	\$1,082,961.00	\$205,762.59	\$1,288,723.59	\$2,676,605.00	\$508,554.95	\$3,185,159.95	\$1,705,845.67	\$2,029,956.34
3190	Desmonte mangueras para lavado y limpieza sistema inyeccion					UND	1	\$3,683,536.00	\$699,871.84	\$4,383,407.84	\$2,501,877.00	\$475,356.63	\$2,977,233.63	\$1,971,576.00	\$374,599.44	\$2,346,175.44	\$2,718,996.33	\$3,235,605.64
3191	Desmontar pala					UND	1	\$2,217,498.00	\$421,324.62	\$2,638,822.62	\$4,252,946.00	\$808,059.74	\$5,061,005.74	\$1,543,004.25	\$293,170.81	\$1,836,175.06	\$2,671,149.42	\$3,178,667.81
3192	Mantenimiento general para cambio de filtros y aceites					UND	1	\$1,959,225.00	\$372,252.75	\$2,331,477.75	\$2,523,648.00	\$479,493.12	\$3,003,141.12	\$1,542,162.75	\$293,010.92	\$1,835,173.67	\$2,008,345.25	\$2,389,930.85
3193	Cambio de strips pala					UND	1	\$1,725,349.00	\$327,816.31	\$2,053,165.31	\$2,566,135.00	\$487,565.65	\$3,053,700.65	\$1,255,384.50	\$238,523.06	\$1,493,907.56	\$1,848,956.17	\$2,200,257.84
3194	Extraccion de mordazas					UND	1	\$754,323.00	\$143,321.37	\$897,644.37	\$567,669.75	\$107,857.25	\$675,527.00	\$850,180.00	\$161,534.20	\$1,011,714.20	\$724,057.58	\$861,628.52
3195	Fabricacion de fusibles tornamada 5 juegos x 2 und					UND	1	\$903,440.00	\$171,653.60	\$1,075,093.60	\$809,181.75	\$153,744.53	\$962,926.28	\$1,638,045.00	\$311,228.55	\$1,949,273.55	\$1,116,888.92	\$1,329,097.81
3196	Sevicio de grua en camabaja incluido cabezote precio por kilometros					UND	1	\$198,525.00	\$37,719.75	\$236,244.75	\$116,729.25	\$22,178.56	\$138,907.81	\$124,095.00	\$23,578.05	\$147,673.05	\$146,449.75	\$174,275.20
	RETREOEXCAVADORAS NEW HOLLAND NH B80C																	
	REPUESTOS																	
	DESCRIPCION					UNIDAD	CANT											
3197	Manguera turbo filtro de aire					UND	1	\$497,441.70	\$94,513.92	\$591,955.62	\$594,659.00	\$112,985.21	\$707,644.21	\$988,245.00	\$187,766.55	\$1,176,011.55	\$693,448.57	\$825,203.79
3198	Filtro aire externo ORIGINAL 47362223					UND	1	\$751,127.00	\$142,714.13	\$893,841.13	\$1,483,623.00	\$281,888.37	\$1,765,511.37	\$552,803.00	\$105,032.57	\$657,835.57	\$929,184.33	\$1,105,729.36
3199	Filtro aire interno ORIGINAL 47362227					UND	1	\$1,300,491.00	\$247,093.29	\$1,547,584.29	\$778,653.00	\$147,944.07	\$926,597.07	\$610,220.00	\$115,941.80	\$726,161.80	\$896,454.67	\$1,066,781.05
3200	Filtro de aceite ORIGINAL 51508762					UND	1	\$330,303.30	\$62,757.63	\$393,060.93	\$482,100.00	\$91,599.00	\$573,699.00	\$752,310.00	\$142,938.90	\$895,248.90	\$521,571.10	\$620,669.61
3201	Filtro de combustible ORIGINAL 51508759					UND	1	\$235,683.00	\$44,779.77	\$280,462.77	\$383,392.00	\$72,844.48	\$456,236.48	\$207,860.00	\$39,493.40	\$247,353.40	\$275,645.00	\$328,017.55
3202	Filtro de combustible ORIGINAL 84565926					UND	1	\$702,372.00	\$133,450.68	\$835,822.68	\$590,610.00	\$112,215.90	\$702,825.90	\$799,595.00	\$151,923.05	\$951,518.05	\$697,525.67	\$830,03

ITEM	MOTONIVELADORA CATERPILLAR 120 K				UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS						VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION																
3215	Empaquetadura cilindro hidraulico estabilizadora				UND	1	\$1,607,463.00	\$305,417.97	\$1,912,880.97	\$1,242,421.20	\$236,060.03	\$1,478,481.23	\$2,192,059.00	\$416,491.21	\$2,608,550.21	\$1,680,647.73	\$1,999,970.80
3216	Empaquetadura cilindro hidraulico movimiento lateral boom (gemelos)				UND	1	\$1,739,047.00	\$330,418.93	\$2,069,465.93	\$1,732,442.00	\$329,163.98	\$2,061,605.98	\$1,435,068.45	\$272,663.01	\$1,707,731.46	\$1,635,519.15	\$1,946,267.79
3217	Empaquetadura cilindro hidraulico de dirección				UND	1	\$1,964,835.00	\$373,318.65	\$2,338,153.65	\$1,493,386.00	\$283,743.34	\$1,777,129.34	\$1,333,936.80	\$253,447.99	\$1,587,384.79	\$1,597,385.93	\$1,900,889.26
3218	Barra cromada cilindro estabilizador				UND	1	\$5,017,718.00	\$953,366.42	\$5,971,084.42	\$4,908,610.35	\$932,635.97	\$5,841,246.32	\$8,978,255.00	\$1,705,868.45	\$10,684,123.45	\$6,301,527.78	\$7,498,818.06
3219	Pistón				UND	1	\$2,998,332.00	\$569,683.08	\$3,568,015.08	\$6,030,293.00	\$1,145,755.67	\$7,176,048.67	\$3,627,623.00	\$689,248.37	\$4,316,871.37	\$4,218,749.33	\$5,020,311.71
3220	Juego de anillos				JUEGO	1	\$6,099,704.00	\$1,158,943.76	\$7,258,647.76	\$3,199,241.00	\$607,855.79	\$3,807,096.79	\$3,109,434.75	\$590,792.60	\$3,700,227.35	\$4,136,126.58	\$4,921,990.63
3221	Guías válvulas				UND	1	\$1,156,063.95	\$219,652.15	\$1,375,716.10	\$2,694,057.00	\$511,870.83	\$3,205,927.83	\$1,589,358.00	\$301,978.02	\$1,891,336.02	\$1,813,159.65	\$2,157,659.98
3222	Bujes de levas				UND	1	\$980,339.00	\$186,264.41	\$1,166,603.41	\$571,099.00	\$108,508.81	\$679,607.81	\$566,777.40	\$107,687.71	\$674,465.11	\$706,071.80	\$840,225.22
3223	Válvula admisión				UND	1	\$1,564,566.00	\$297,267.54	\$1,861,833.54	\$1,018,628.00	\$193,539.32	\$1,212,167.32	\$847,552.20	\$161,034.92	\$1,008,587.12	\$1,143,582.07	\$1,360,862.66
3224	Válvula de escape				UND	1	\$914,168.40	\$173,692.00	\$1,087,860.40	\$1,103,181.00	\$209,604.39	\$1,312,785.39	\$2,105,746.00	\$400,091.74	\$2,505,837.74	\$1,374,365.13	\$1,635,494.51
3225	Asientos válvulas admisión				UND	1	\$510,668.70	\$97,027.05	\$607,695.75	\$765,903.00	\$145,521.57	\$911,424.57	\$728,447.00	\$138,404.93	\$866,851.93	\$668,339.57	\$795,324.08
3226	Asientos válvulas Escape				UND	1	\$604,980.60	\$114,946.31	\$719,926.91	\$753,854.00	\$143,232.26	\$897,086.26	\$1,352,578.00	\$256,989.82	\$1,609,567.82	\$903,804.20	\$1,075,527.00
3227	Anillo pasador largo				UND	1	\$537,090.00	\$102,047.10	\$639,137.10	\$363,438.60	\$69,053.33	\$432,491.93	\$648,455.00	\$123,206.45	\$771,661.45	\$516,327.87	\$614,430.16
3228	Juego casquetes de biela 0.10				JUEGO	1	\$1,235,473.20	\$234,739.91	\$1,470,213.11	\$1,436,745.00	\$272,981.55	\$1,709,726.55	\$1,835,305.00	\$348,707.95	\$2,184,012.95	\$1,502,507.73	\$1,787,984.20
3229	Juego casquetes de bancada 0.10				JUEGO	1	\$2,863,177.00	\$544,003.63	\$3,407,180.63	\$1,523,272.95	\$289,421.86	\$1,812,694.81	\$2,123,059.00	\$403,381.21	\$2,526,440.21	\$2,169,836.32	\$2,582,105.22
3230	Aro de levas 433A				UND	1	\$358,614.00	\$68,136.66	\$426,750.66	\$329,848.00	\$62,671.12	\$392,519.12	\$310,279.95	\$58,953.19	\$369,233.14	\$332,913.98	\$396,167.64
3231	Guya freno de emergencia				UND	1	\$832,445.00	\$158,164.55	\$990,609.55	\$1,514,245.00	\$287,706.55	\$1,801,951.55	\$681,330.60	\$129,452.81	\$810,783.41	\$1,009,340.20	\$1,201,114.84
3232	Guaya control de freno de parqueo				UND	1	\$816,934.50	\$155,217.56	\$972,152.06	\$1,016,163.00	\$193,070.97	\$1,209,233.97	\$1,659,899.00	\$315,380.81	\$1,975,279.81	\$1,164,332.17	\$1,385,555.28
3233	Bomba de frenos				UND	1	\$4,111,164.00	\$781,121.16	\$4,892,285.16	\$5,769,988.00	\$1,096,297.72	\$6,866,285.72	\$3,281,965.20	\$623,573.39	\$3,905,538.59	\$4,387,705.73	\$5,221,369.82
3234	Disco separador frenos				UND	1	\$997,919.55	\$189,604.71	\$1,187,524.26	\$1,765,618.00	\$335,467.42	\$2,101,085.42	\$1,404,853.00	\$266,922.07	\$1,671,775.07	\$1,389,463.52	\$1,653,461.58
3235	Disco de fricción frenos				UND	1	\$913,370.00	\$173,540.30	\$1,086,910.30	\$793,543.05	\$150,773.18	\$944,316.23	\$1,784,930.00	\$339,136.70	\$2,124,066.70	\$1,163,947.68	\$1,385,097.74
3236	sellos frenos				UND	1	\$291,021.75	\$55,294.13	\$346,315.88	\$318,007.00	\$60,421.33	\$378,428.33	\$295,843.00	\$56,210.17	\$352,053.17	\$301,623.92	\$358,932.46
3237	sellos frenos				UND	1	\$712,998.00	\$135,469.62	\$848,467.62	\$347,671.80	\$66,057.64	\$413,729.44	\$485,952.00	\$92,330.88	\$578,282.88	\$515,540.60	\$613,493.31
3238	Juego pastillas freno emergencia				JUEGO	1	\$1,559,237.00	\$296,255.03	\$1,855,492.03	\$2,527,153.00	\$480,159.07	\$3,007,312.07	\$1,392,066.00	\$264,492.54	\$1,656,558.54	\$1,826,152.00	\$2,173,120.88
3239	Válvula de control bomba de pistones				UND	1	\$2,653,216.00	\$504,111.04	\$3,157,327.04	\$2,266,520.85	\$430,638.96	\$2,697,159.81	\$4,792,274.00	\$910,532.06	\$5,702,806.06	\$3,237,336.95	\$3,852,430.97
3240	Rodamiento externo speed diferencial trasero				UND	1	\$1,532,027.00	\$291,085.13	\$1,823,112.13	\$833,306.85	\$158,328.30	\$991,635.15	\$1,034,478.00	\$196,550.82	\$1,231,028.82	\$1,133,270.62	\$1,348,592.03
3241	Rodamiento interno speed diferencial trasero				UND	1	\$642,199.95	\$122,017.99	\$764,217.94	\$835,039.00	\$158,657.41	\$993,696.41	\$1,306,192.00	\$248,176.48	\$1,554,368.48	\$927,810.32	\$1,104,094.28
3242	Rodamiento lateral diferencial trasero				UND	1	\$812,728.00	\$154,418.32	\$967,146.32	\$792,400.05	\$150,556.01	\$942,956.06	\$973,042.00	\$184,877.98	\$1,157,919.98	\$859,390.02	\$1,022,674.12
3243	Rodamiento chanelas				UND	1	\$2,374,221.00	\$451,101.99	\$2,825,322.99	\$1,216,263.60	\$231,080.08	\$1,447,353.68	\$1,313,541.00	\$249,572.79	\$1,563,113.79	\$1,634,675.20	\$1,945,263.49
3244	Rodamiento grandes ruedas delanteras				UND	1	\$1,662,333.00	\$315,843.27	\$1,978,176.27	\$821,970.00	\$156,174.30	\$978,144.30	\$1,180,446.00	\$224,284.74	\$1,404,730.74	\$1,221,583.00	\$1,453,683.77
3245	Rodamiento cubo rueda trasera				UND	1	\$619,992.00	\$117,798.48	\$737,790.48	\$558,620.10	\$106,137.82	\$664,757.92	\$811,280.00	\$154,143.20	\$965,423.20	\$663,297.37	\$789,323.87
3246	Sensor de temperatura de combustible				UND	1	\$1,232,510.00	\$234,176.90	\$1,466,686.90	\$1,887,385.00	\$358,603.15	\$2,245,988.15	\$1,093,260.15	\$207,719.43	\$1,300,979.58	\$1,404,385.05	\$1,671,218.21
3247	Interruptor de presion de aceite				UND	1	\$3,252,798.00	\$618,031.62	\$3,870,829.62	\$4,449,613.00	\$845,426.47	\$5,295,039.47	\$2,626,681.50	\$499,069.49	\$3,125,750.99	\$3,443,030.83	\$4,097,206.69
3248	Interrupio master baterias				UND	1	\$1,203,552.00	\$228,674.88	\$1,432,226.88	\$2,115,412.00	\$401,928.28	\$2,517,340.28	\$832,107.60	\$158,100.44	\$990,208.04	\$1,383,690.53	\$1,646,591.73
3249	Interruptor multifuncion				UND	1	\$740,977.65	\$140,785.75	\$881,763.40	\$781,574.00	\$148,499.06	\$930,073.06	\$1,309,344.00	\$248,775.36	\$1,558,119.36	\$943,965.22	\$1,123,318.61
3250	SENSOR DE PRESION DE ACEITE				UND	1	\$823,998.00	\$156,559.62	\$980,557.62	\$1,200,348.00	\$228,066.12	\$1,428,414.12	\$625,386.15	\$118,823.37	\$744,209.52	\$883,244.05	\$1,051,060.42
3251	Switch encendido				UND	1	\$541,474.20	\$102,880.10	\$644,354.30	\$964,376.00	\$183,231.44	\$1,147,607.44	\$613,712.00	\$116,605.28	\$730,317.28	\$706,520.73	\$840,759.67
3252	Switch presion aceite				UND	1	\$530,587.35	\$100,811.60	\$631,398.95	\$1,055,800.00	\$200,602.00	\$1,256,402.00	\$682,043.00	\$129,588.17	\$811,631.17	\$756,143.45	\$899,810.71
3253	Sensor de temperatura				UND	1	\$907,133.00	\$172,355.27	\$1,079,488.27	\$728,655.30	\$138,444.51	\$867,099.81	\$806,569.00	\$153,248.11	\$959,817.11	\$814,119.10	\$968,801.73
3254	Muffler				UND	1	\$3,042,142.65	\$578,007.10	\$3,620,149.75	\$6,762,100.00	\$1,284,799.00	\$8,046,899.00	\$4,296,260.00	\$816,289.40	\$5,112,549.40	\$4,700,167.55	\$5,593,199.38
3255	Manguera superior radiador				UND	1	\$969,062.00	\$184,121.78	\$1,153,183.78	\$1,292,089.00	\$245,496.91	\$1,537,585.91	\$675,100.35	\$128,269.07	\$803,369.42	\$978,750.45	\$1,164,713.04
3256	Manguera inferior radiador				UND	1	\$1,589,766.00	\$302,055.54	\$1,891,821.54	\$833,815.80	\$158,425.00	\$992,240.80	\$1,105,800.00	\$210,102.00	\$1,315,902.00	\$1,176,460.60	\$1,399,988.11
3257	Empaque tapa de válvulas				UND	1	\$461,313.00	\$87,649.47	\$548,962.47	\$388,359.90	\$73,788.38	\$462,148.28	\$474,703.00	\$90,193.57	\$564,896.57	\$441,458.63	\$525,335.77
3258	Empaque carter				UND	1	\$593,571.60	\$112,778.60	\$706,350.20	\$888,480.00	\$168,811.20	\$1,057,291.20	\$657,363.00	\$124,898.97	\$782,261.97	\$713,138.20	\$848,634.46
3259	Empaque enfriador aceite de motor				UND	1	\$1,154,782.35	\$219,408.65	\$1,374,191.00	\$2,895,349.00	\$550,116.31	\$3,445,465.31	\$1,689,832.00	\$321,068.08	\$2,010,900.08	\$1,913,321.12	\$2,276,852.63
3260	Carcasa volante motor (flywheel)				UND	1	\$11,143,935.00	\$2,117,347.65	\$13,261,282.65	\$10,147,506.30	\$1,928,026.20	\$12,075,532.50	\$13,578,385.00	\$2,579,893.15	\$16,158,278.15	\$11,623,275.43	\$13,831,697.77
3261	Empaque tapa de distribucion motor				UND	1	\$3,828,019.00	\$727,323.61	\$4,555,342.61	\$1,509,346.80	\$286,775.89	\$1,796,122.69	\$2,168,503.00	\$412,015.57	\$2,580,518.57	\$2,501,956.27	\$2,977,327.96
3262	Cremallera volante motor				UND	1	\$1,531,707.75	\$291,024.47	\$1,822,732.22	\$1,594,672.00	\$302,987.68	\$1,897,659.68	\$2,033,929.00	\$386,446.51	\$2,420,375.51	\$1,720,102.92	\$2,046,922.47
3263	Kit de reparacion bomba hidraulica de pistones				UND	1	\$8,008,080.00	\$1,521,535.20	\$9,529,615.20	\$12,611,808.00	\$2,396,243.52	\$15,008,051.52	\$6,992,950.05	\$1,328,660.51	\$8,321,610.56	\$9,204,279.35	\$10,953,092.43
3264	Kit empaquetadura banco de válvulas delantero				UND	1	\$4,230,065.25	\$803,712.40	\$5,033,777.65	\$9,415,418.00	\$1,788,929.42	\$11,204,347.42	\$4,371,986.00	\$900,217.34	\$5,638,203.34	\$6,127,823.08	\$7,292,109.47
3265	Kit empaquetadura orbital				UND	1	\$3,591,889.00	\$682,458.91	\$4,274,347.91	\$1,872,210.00	\$355,719.90	\$2,227,929.90	\$1,572,190.52	\$321,022.02	\$2,691,489.44	\$2,651,489.44	\$2,691,489

ITEM	MOTONIVELADORA CATERPILLAR 120 K	UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION													
3274	Retenedor sello diferencial delantero	UND	1	\$428,678.00	\$81,448.82	\$510,126.82	\$679,316.00	\$129,070.04	\$808,386.04	\$324,063.00	\$61,571.97	\$385,634.97	\$477,352.33	\$568,049.28
3275	Perno rueda trasera	UND	1	\$240,341.40	\$45,664.87	\$286,006.27	\$356,131.00	\$67,664.89	\$423,795.89	\$444,548.00	\$84,464.12	\$529,012.12	\$347,006.80	\$412,938.09
3276	Perno rueda delantera	UND	1	\$264,069.00	\$50,173.11	\$314,242.11	\$210,288.60	\$39,954.83	\$250,243.43	\$339,516.00	\$64,508.04	\$404,024.04	\$271,291.20	\$322,836.53
3277	Tubo de superior de lubricacion turbo	UND	1	\$605,541.00	\$115,052.79	\$720,593.79	\$1,183,044.00	\$224,778.36	\$1,407,822.36	\$561,915.90	\$106,764.02	\$668,679.92	\$783,500.30	\$932,365.36
3278	Tubo de inferior de lubricacion turbo	UND	1	\$491,202.00	\$93,328.38	\$584,530.38	\$467,469.45	\$88,819.20	\$556,288.65	\$651,981.00	\$123,876.39	\$775,857.39	\$536,884.15	\$638,892.14
3279	Silenciador	UND	1	\$3,166,411.00	\$601,618.09	\$3,768,029.09	\$2,670,772.05	\$507,446.69	\$3,178,218.74	\$3,469,167.00	\$659,141.73	\$4,128,308.73	\$3,102,116.68	\$3,691,518.85
3280	Exosto	UND	1	\$5,126,397.75	\$974,015.57	\$6,100,413.32	\$7,866,073.00	\$1,494,553.87	\$9,360,626.87	\$6,824,832.00	\$1,296,718.08	\$8,121,550.08	\$6,605,767.58	\$7,860,863.42
3281	Enfocador radiador	UND	1	\$1,381,803.00	\$262,542.57	\$1,644,345.57	\$1,067,161.05	\$202,760.60	\$1,269,921.65	\$1,158,016.00	\$220,023.04	\$1,378,039.04	\$1,202,326.68	\$1,430,768.75
3282	Radiador aceite hidraulico	UND	1	\$9,295,352.00	\$1,766,116.88	\$11,061,468.88	\$6,270,071.85	\$1,191,313.65	\$7,461,385.50	\$12,743,715.00	\$2,421,305.85	\$15,165,020.85	\$9,436,379.62	\$11,229,291.74
3283	Radiador de aceite transmision	UND	1	\$7,306,582.00	\$1,388,250.58	\$8,694,832.58	\$5,528,274.30	\$1,050,372.12	\$6,578,646.42	\$9,302,991.00	\$1,767,568.29	\$11,070,559.29	\$7,379,282.43	\$8,781,346.10
3284	Empaque turbo	UND	1	\$8,509,357.00	\$1,616,777.83	\$10,126,134.83	\$4,547,150.00	\$863,958.50	\$5,411,108.50	\$4,035,409.20	\$766,727.75	\$4,802,136.95	\$5,697,305.40	\$6,779,793.43
3285	Polea loca	UND	1	\$573,066.00	\$108,882.54	\$681,948.54	\$940,179.00	\$178,634.01	\$1,118,813.01	\$550,336.50	\$104,563.94	\$654,900.44	\$687,860.50	\$818,554.00
3286	Tensor de correa	UND	1	\$670,536.45	\$127,401.93	\$797,938.38	\$770,195.00	\$146,337.05	\$916,532.05	\$908,301.00	\$172,577.19	\$1,080,878.19	\$783,010.82	\$931,782.87
3287	Ventilador	UND	1	\$1,222,233.75	\$232,224.41	\$1,454,458.16	\$1,254,186.00	\$238,295.34	\$1,492,481.34	\$1,605,451.00	\$305,035.69	\$1,910,486.69	\$1,360,623.58	\$1,619,142.06
3288	Culeta	UND	1	\$32,966,036.00	\$6,263,546.84	\$39,229,582.84	\$18,642,512.25	\$3,542,077.33	\$22,184,589.58	\$24,335,667.00	\$4,623,776.73	\$28,959,443.73	\$25,314,738.42	\$30,124,538.72
3289	ESTABILIZADORAS)	UND	1	\$3,629,290.00	\$689,565.10	\$4,318,855.10	\$2,545,642.35	\$483,672.05	\$3,029,314.40	\$5,189,243.00	\$985,956.17	\$6,175,199.17	\$3,788,058.45	\$4,507,789.56
3290	BALDE	UND	1	\$29,203,425.90	\$5,548,650.92	\$34,752,076.82	\$32,685,538.00	\$6,210,252.22	\$38,895,790.22	\$50,021,885.00	\$9,504,158.15	\$59,526,043.15	\$37,303,616.30	\$44,391,303.40
3291	TAPA TANQUE EXPANCIION	UND	1	\$3,454,835.40	\$656,418.73	\$4,111,254.13	\$4,893,427.00	\$929,751.13	\$5,823,178.13	\$6,574,070.00	\$1,249,073.30	\$7,823,143.30	\$4,974,110.80	\$5,919,191.85
3292	CRUCETA DELANTERA CARDAN	UND	1	\$434,548.35	\$82,564.19	\$517,112.54	\$594,846.00	\$113,020.74	\$707,866.74	\$857,545.00	\$162,933.55	\$1,020,478.55	\$628,979.78	\$748,485.94
3293	CRUCETA TRACERA CARDAN	UND	1	\$707,059.00	\$134,341.21	\$841,400.21	\$499,746.15	\$94,951.77	\$594,697.92	\$968,572.00	\$184,028.68	\$1,152,600.68	\$725,125.72	\$862,699.60
3294	RADIADOR DE AGUA	UND	1	\$23,082,381.00	\$4,385,652.39	\$27,468,033.39	\$8,126,164.35	\$1,543,971.23	\$9,670,135.58	\$11,749,497.00	\$2,232,404.43	\$13,981,901.43	\$14,319,347.45	\$17,040,023.47
3295	TERMOSTATO	UND	1	\$782,747.00	\$148,721.93	\$931,468.93	\$534,073.50	\$101,473.96	\$635,547.46	\$1,522,230.00	\$289,223.70	\$1,811,453.70	\$946,350.17	\$1,126,156.70
3296	Bomba de inyeccion	UND	1	\$32,076,836.00	\$6,094,598.84	\$38,171,434.84	\$49,815,063.00	\$9,464,861.97	\$59,279,924.97	\$23,627,024.55	\$4,489,134.66	\$28,116,159.21	\$35,172,974.52	\$41,855,839.67
3297	INYECTOR MOTOR	UND	1	\$4,409,290.00	\$837,765.10	\$5,247,055.10	\$3,332,359.35	\$633,148.28	\$3,965,507.63	\$4,257,911.00	\$809,003.09	\$5,066,914.09	\$3,999,853.45	\$4,759,825.61
3298	PLUMILLA LIMPIABRISAS DELANTERA	UND	1	\$326,965.00	\$62,123.35	\$389,088.35	\$635,937.00	\$120,828.03	\$756,765.03	\$245,265.75	\$46,600.49	\$291,866.24	\$402,722.58	\$479,239.87
3299	PLUMILLA LIMPIABRISAS TRASERAS	UND	1	\$562,199.00	\$106,817.81	\$669,016.81	\$235,917.00	\$44,824.23	\$280,741.23	\$334,867.00	\$63,624.73	\$398,491.73	\$377,661.00	\$449,416.59
3300	MOTOR DE ARRANQUE	UND	1	\$7,955,089.00	\$1,511,466.91	\$9,466,555.91	\$4,299,034.95	\$816,816.64	\$5,115,851.59	\$5,892,302.00	\$1,119,537.38	\$7,011,839.38	\$6,048,808.65	\$7,198,082.29
3301	Empaque bomba de agua	UND	1	\$615,543.75	\$116,953.31	\$732,497.06	\$1,097,916.00	\$208,604.04	\$1,306,520.04	\$747,628.00	\$142,049.32	\$889,677.32	\$820,362.58	\$976,231.47
3302	BOMBA DE AGUA	UND	1	\$3,438,658.80	\$653,345.17	\$4,092,003.97	\$4,243,798.00	\$806,321.62	\$5,050,119.62	\$4,753,213.00	\$903,110.47	\$5,656,323.47	\$4,145,223.27	\$4,932,815.69
3303	Pasador y reten diente 2111238/39	UND	1	\$1,384,575.00	\$263,069.25	\$1,647,644.25	\$743,504.00	\$141,265.76	\$884,769.76	\$550,198.35	\$104,537.69	\$654,736.04	\$892,759.12	\$1,062,383.35
3304	Dientes balde 2085235	UND	1	\$746,162.00	\$141,770.78	\$887,932.78	\$496,431.45	\$94,321.98	\$590,753.43	\$722,338.00	\$137,244.22	\$859,582.22	\$654,977.15	\$779,422.81
3305	Llantas delanteras 12.5 x 18 (16 lonas)	UND	1	\$5,490,830.00	\$1,043,257.70	\$6,534,087.70	\$6,285,426.00	\$1,194,230.94	\$7,479,656.94	\$12,066,542.00	\$2,292,642.98	\$14,359,184.98	\$7,947,999.33	\$9,457,643.21
3306	Neumáticos 12.5 x 18	UND	1	\$311,811.00	\$59,244.09	\$371,055.09	\$348,172.00	\$66,152.68	\$414,324.68	\$216,451.00	\$41,125.69	\$257,576.69	\$292,144.67	\$347,652.15
3307	Llantas traseras 16.9 X28 (12 lonas)	UND	1	\$9,241,511.00	\$1,755,887.09	\$11,097,398.09	\$6,580,990.00	\$1,250,388.10	\$7,831,378.10	\$13,324,281.00	\$2,531,613.39	\$15,855,894.39	\$9,715,594.00	\$11,561,556.86
3308	Neumáticos 16.9 x 28	UND	1	\$422,827.00	\$80,337.13	\$503,164.13	\$237,725.10	\$45,167.77	\$282,892.87	\$271,150.00	\$51,518.50	\$322,668.50	\$310,567.37	\$369,575.17
3309	Barra estabilizadora	UND	1	\$932,597.00	\$177,193.43	\$1,109,790.43	\$901,931.10	\$171,366.91	\$1,073,298.01	\$1,520,882.00	\$288,967.58	\$1,809,849.58	\$1,118,470.03	\$1,330,979.34
3310	Cuchillas para el balde	UND	1	\$1,198,668.60	\$227,747.03	\$1,426,415.63	\$2,223,704.00	\$422,503.76	\$2,646,207.76	\$1,481,654.00	\$281,514.26	\$1,763,168.26	\$1,634,675.53	\$1,945,263.88
3311	Tomillos con tuerca para las cuchillas	UND	1	\$191,853.00	\$36,452.07	\$228,305.07	\$108,286.00	\$20,574.34	\$128,860.34	\$77,414.70	\$14,708.79	\$92,123.49	\$125,851.23	\$149,762.97
3312	Eje del tren delantero	UND	1	\$3,881,221.00	\$737,431.99	\$4,618,652.99	\$3,672,335.70	\$697,743.78	\$4,370,079.48	\$3,865,363.00	\$734,418.97	\$4,599,781.97	\$3,806,306.57	\$4,529,504.81
3313	Mangueras hidráulicas con acoples 3/4 X 2 1/2 MTS CON ACOPLE 3/4RTM	UND	1	\$900,503.00	\$171,095.57	\$1,071,598.57	\$1,795,701.00	\$341,183.19	\$2,136,884.19	\$601,550.00	\$114,294.50	\$715,844.50	\$1,099,251.33	\$1,308,109.09
3314	Manguera hidraulica R12 X 5/8 X 2.10MTS	UND	1	\$1,080,990.00	\$205,388.10	\$1,286,378.10	\$1,163,354.00	\$221,037.26	\$1,384,391.26	\$1,189,025.00	\$225,914.75	\$1,414,939.75	\$1,144,456.33	\$1,361,903.04
3315	Manguera hidraulica R2 3/8 con acoples x 60cm	UND	1	\$813,315.00	\$154,529.85	\$967,844.85	\$601,520.00	\$114,288.80	\$715,808.80	\$650,147.00	\$123,527.93	\$773,674.93	\$688,327.33	\$819,109.53
3316	Manguera hidraulica R12 1/2 X 2.50 MTS	UND	1	\$1,708,352.00	\$324,586.88	\$2,032,938.88	\$1,010,222.00	\$191,942.18	\$1,202,164.18	\$1,068,045.00	\$202,928.55	\$1,270,973.55	\$1,262,206.33	\$1,502,025.54
3317	Manguera hidraulica con acoples R2 3/8 x 55cm	UND	1	\$698,552.10	\$132,724.90	\$831,277.00	\$1,337,434.00	\$254,112.46	\$1,591,546.46	\$875,399.00	\$166,325.81	\$1,041,724.81	\$970,461.70	\$1,154,849.42
3318	Manguera hidraulica con acoples R12 X 2.50 MTS	UND	1	\$1,046,002.00	\$198,740.38	\$1,244,742.38	\$1,903,882.00	\$361,737.58	\$2,265,619.58	\$765,366.75	\$145,419.68	\$910,786.43	\$1,238,416.92	\$1,473,716.13
3319	Manguera hidraulica 1/2 x 6000psi x 2.95 mts	UND	1	\$1,240,095.00	\$235,618.05	\$1,475,713.05	\$1,559,421.00	\$296,289.99	\$1,855,710.99	\$1,166,232.15	\$221,584.11	\$1,387,816.26	\$1,321,916.05	\$1

ITEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO			
	DESCRIPCION	VR. UNITARIO SIN IVA			IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
3333	Manguera hidraulica 1/2 x 4000 psi x2.75 mts con acoples		UND	1	\$1,373,409.00	\$260,947.71	\$1,634,356.71	\$1,133,521.20	\$215,369.03	\$1,348,890.23	\$1,744,379.00	\$331,432.01	\$2,075,811.01	\$1,417,103.07	\$1,686,352.65		
3334	Manguera hidraulica 5/8 x 6000 psi x1.75 mts con acoples		UND	1	\$3,571,264.00	\$678,540.16	\$4,249,804.16	\$1,250,320.00	\$237,560.80	\$1,487,880.80	\$1,802,217.00	\$342,421.23	\$2,144,638.23	\$2,207,933.67	\$2,627,441.06		
3335	Manguera 3 x 0.84 mts con acoples		UND	1	\$748,715.40	\$142,255.93	\$890,971.33	\$1,162,815.00	\$220,934.85	\$1,383,749.85	\$967,395.00	\$183,805.05	\$1,151,200.05	\$959,641.80	\$1,141,973.74		
3336	Manguera de 1/2 x 1.10 mts con acoples		UND	1	\$1,040,761.80	\$197,744.74	\$1,238,506.54	\$1,531,332.00	\$290,953.08	\$1,822,285.08	\$1,187,011.00	\$225,532.09	\$1,412,543.09	\$1,253,034.93	\$1,491,111.57		
3337	Mangueras hidraulica 5/8 x 6000 psi x1.75 mts con acoples		UND	1	\$1,649,367.00	\$313,379.73	\$1,962,746.73	\$1,274,345.10	\$242,125.57	\$1,516,470.67	\$1,798,411.00	\$341,698.09	\$2,140,109.09	\$1,574,041.03	\$1,873,108.83		
3338	Manguera 3/4 x 6000 PSI X 1.45 mts con acoples		UND	1	\$1,292,350.00	\$245,546.50	\$1,537,896.50	\$1,210,520.00	\$229,998.80	\$1,440,518.80	\$1,452,532.00	\$275,981.08	\$1,728,513.08	\$1,318,467.33	\$1,568,976.13		
3339	Vidrio puerta izquierda superior curvo		UND	1	\$1,361,568.60	\$258,698.03	\$1,620,266.63	\$1,972,179.00	\$374,714.01	\$2,346,893.01	\$2,253,766.00	\$428,215.54	\$2,681,981.54	\$1,862,504.53	\$2,216,380.39		
3340	Vidrio panoramico superior		UND	1	\$1,793,655.00	\$340,794.45	\$2,134,449.45	\$1,371,771.00	\$260,636.49	\$1,632,407.49	\$2,605,771.00	\$495,096.49	\$3,100,867.49	\$1,923,732.33	\$2,289,241.48		
3341	Vidrio puerta izquierda inferior		UND	1	\$1,882,316.00	\$357,640.04	\$2,239,956.04	\$1,362,783.60	\$258,928.88	\$1,621,712.48	\$2,416,452.00	\$459,125.88	\$2,875,577.88	\$1,887,183.87	\$2,245,748.80		
3342	Vidrio trasero inferior curvo		UND	1	\$1,356,732.00	\$257,779.08	\$1,614,511.08	\$1,546,213.00	\$293,780.47	\$1,839,993.47	\$1,364,620.00	\$259,277.80	\$1,623,897.80	\$1,422,521.67	\$1,692,800.78		
3343	Vidrio lateral superior derecho		UND	1	\$1,344,073.05	\$255,373.88	\$1,599,446.93	\$3,456,679.00	\$656,769.01	\$4,113,448.01	\$1,743,135.00	\$331,195.65	\$2,074,330.65	\$2,181,295.68	\$2,595,741.86		
3344	Vidrio inferior puerta		UND	1	\$2,697,872.00	\$512,595.68	\$3,210,467.68	\$1,433,150.00	\$272,298.50	\$1,705,448.50	\$1,309,972.95	\$248,894.86	\$1,558,867.81	\$1,813,664.98	\$2,158,261.33		
3345	Vidrio superior puerta		UND	1	\$1,682,582.00	\$340,794.45	\$2,023,376.45	\$1,165,924.80	\$221,525.71	\$1,387,450.51	\$2,221,467.00	\$422,078.73	\$2,643,545.73	\$1,689,991.27	\$2,011,089.61		
3346	Vidrio lateral inferior trasero izquierdo		UND	1	\$1,340,280.00	\$254,653.20	\$1,594,933.20	\$1,908,371.00	\$362,590.49	\$2,270,961.49	\$2,812,039.00	\$534,287.41	\$3,346,326.41	\$2,020,230.00	\$2,404,073.70		
3347	Cerrojo vidrio trasero		UND	1	\$2,088,959.00	\$396,902.21	\$2,485,861.21	\$1,405,276.00	\$267,002.44	\$1,672,278.44	\$942,493.05	\$179,073.68	\$1,121,566.73	\$1,478,909.35	\$1,759,902.13		
3348	Cerrojo vidrio trasero		UND	1	\$963,623.00	\$183,088.37	\$1,146,711.37	\$898,692.75	\$170,751.62	\$1,069,444.37	\$1,248,762.00	\$237,264.78	\$1,486,026.78	\$1,037,025.92	\$1,234,060.84		
3349	sello empaque vidrio		UND	1	\$638,449.90	\$159,305.48	\$797,755.38	\$1,224,054.00	\$232,570.26	\$1,456,624.26	\$1,362,506.00	\$258,876.14	\$1,621,382.14	\$1,141,669.97	\$1,358,587.26		
3350	Cerrojo vidrio puerta derecha inferior		UND	1	\$1,059,278.00	\$201,262.82	\$1,260,540.82	\$883,594.35	\$167,882.93	\$1,051,477.28	\$1,562,305.00	\$296,837.95	\$1,859,142.95	\$1,168,392.45	\$1,390,387.02		
3351	Cerrojo vidrio puerta derecha superior		UND	1	\$1,021,099.00	\$194,008.81	\$1,215,107.81	\$1,519,853.00	\$288,772.07	\$1,808,625.07	\$912,271.95	\$173,331.67	\$1,085,603.62	\$1,151,074.65	\$1,369,778.83		
3352	Manija cierre vidrio delantero		UND	1	\$1,285,441.00	\$244,233.79	\$1,529,674.79	\$953,390.25	\$181,144.15	\$1,134,534.40	\$2,033,046.00	\$386,278.74	\$2,419,324.74	\$1,423,959.08	\$1,694,511.31		
3353	Seguro de enganche para vidrio		UND	1	\$1,406,152.00	\$267,168.88	\$1,673,320.88	\$638,944.20	\$121,399.40	\$760,343.60	\$772,944.00	\$146,859.36	\$919,803.36	\$939,346.73	\$1,117,822.61		
3354	Vidrio frontal inferior		UND	1	\$1,015,625.10	\$192,968.77	\$1,208,593.87	\$1,030,082.00	\$195,715.58	\$1,225,797.58	\$1,392,752.00	\$264,622.88	\$1,657,374.88	\$1,146,153.03	\$1,363,922.11		
3355	Vidrio trasero inferior		UND	1	\$2,050,054.00	\$389,510.26	\$2,439,564.26	\$992,737.20	\$188,620.07	\$1,181,357.27	\$1,197,689.00	\$227,560.91	\$1,425,249.91	\$1,413,493.40	\$1,682,057.15		
3356	Separador trasero vidrio trasero		UND	1	\$726,257.00	\$137,988.83	\$864,245.83	\$1,442,320.00	\$274,040.80	\$1,716,360.80	\$690,798.30	\$131,251.68	\$822,049.98	\$953,125.10	\$1,134,218.87		
3357	Correas para ventilador		UND	1	\$140,103.90	\$26,619.74	\$166,723.64	\$166,195.00	\$31,577.05	\$197,772.05	\$205,474.00	\$39,040.06	\$244,514.06	\$170,590.97	\$203,003.25		
3358	Baterías 31H 1200		UND	1	\$1,650,490.00	\$313,593.10	\$1,964,083.10	\$1,752,656.00	\$333,004.64	\$2,085,660.64	\$2,881,024.00	\$547,394.56	\$3,428,418.56	\$2,094,723.33	\$2,492,720.77		
3359	Varilla medidora de aceite		UND	1	\$688,644.00	\$115,642.36	\$804,286.36	\$392,241.00	\$74,525.79	\$466,766.79	\$536,853.00	\$102,002.07	\$638,855.07	\$512,579.33	\$609,969.41		
3360	Tapa para tanque combustible		UND	1	\$772,706.00	\$146,814.14	\$919,520.14	\$344,254.20	\$65,408.30	\$409,662.50	\$468,958.00	\$89,102.02	\$558,060.02	\$528,639.40	\$629,080.89		
3361	Guardabarros		UND	1	\$3,854,543.00	\$732,363.17	\$4,586,906.17	\$3,001,345.20	\$570,255.59	\$3,571,600.79	\$7,385,809.00	\$1,403,303.71	\$8,789,112.71	\$4,747,232.40	\$5,649,206.56		
3362	Turbo		UND	1	\$9,987,879.00	\$1,897,697.01	\$11,885,576.01	\$15,189,362.00	\$2,885,978.78	\$18,075,340.78	\$9,281,180.10	\$1,763,424.22	\$11,044,604.32	\$11,486,140.37	\$13,668,507.04		
3363	Terminales de direccion		UND	1	\$1,364,217.60	\$259,201.34	\$1,623,418.94	\$2,218,391.00	\$421,494.29	\$2,639,885.29	\$1,799,438.00	\$341,892.84	\$2,141,328.84	\$1,794,014.87	\$2,134,877.69		
3364	Buje pasador superior		UND	1	\$433,255.00	\$82,318.45	\$515,573.45	\$361,399.50	\$68,665.90	\$430,065.40	\$479,072.00	\$91,023.68	\$570,095.68	\$424,575.50	\$505,244.84		
3365	Bujes chasis botella s de giro		UND	1	\$880,980.75	\$167,386.34	\$1,048,367.09	\$1,314,362.00	\$249,728.78	\$1,564,090.78	\$1,646,523.00	\$312,839.37	\$1,959,362.37	\$1,280,621.92	\$1,523,940.08		
3366	Bujes caballete botella giro		UND	1	\$1,292,509.50	\$245,576.81	\$1,538,086.31	\$1,344,740.00	\$255,500.60	\$1,600,240.60	\$1,874,942.00	\$356,238.98	\$2,231,180.98	\$1,504,063.83	\$1,789,835.96		
3367	Pasador botellas de giro		UND	1	\$1,576,433.00	\$299,522.27	\$1,875,955.27	\$1,267,835.25	\$240,888.70	\$1,508,723.95	\$3,003,216.00	\$570,611.04	\$3,573,827.04	\$1,949,161.42	\$2,319,502.09		
3368	Pasador enganche boom		UND	1	\$2,231,025.00	\$423,894.75	\$2,654,919.75	\$1,571,611.00	\$298,606.09	\$1,870,217.09	\$1,080,795.75	\$205,351.19	\$1,286,146.94	\$1,627,810.58	\$1,937,094.59		
3369	Bujes enganche boom		UND	1	\$1,269,542.25	\$241,213.03	\$1,510,755.28	\$1,703,644.00	\$323,692.36	\$2,027,336.36	\$2,037,889.00	\$387,198.91	\$2,425,087.91	\$1,670,358.42	\$1,987,726.52		
3370	Bujes chasis estabilizadoras		UND	1	\$1,661,176.00	\$315,623.44	\$1,976,799.44	\$1,382,691.75	\$262,711.43	\$1,645,403.18	\$1,545,571.00	\$293,658.49	\$1,839,229.49	\$1,529,812.92	\$1,820,477.37		
3371	Bujes botellas de giro		UND	1	\$1,678,340.00	\$318,884.60	\$1,997,224.60	\$1,501,186.00	\$285,225.34	\$1,786,411.34	\$1,093,606.50	\$207,785.24	\$1,301,391.74	\$1,424,377.50	\$1,695,009.23		
3372	Pasador enganche boom y stick		UND	1	\$3,300,445.00	\$627,084.55	\$3,927,529.55	\$1,410,775.50	\$268,047.34	\$1,678,822.84	\$1,776,965.00	\$337,623.35	\$2,114,588.35	\$2,162,728.50	\$2,573,646.91		
3373	Pasador botella balde		UND	1	\$1,576,568.00	\$299,547.92	\$1,876,115.92	\$1,676,383.00	\$318,512.77	\$1,994,895.77	\$1,371,659.25	\$260,615.26	\$1,632,274.51	\$1,541,536.75	\$1,834,428.73		
3374	Bujes stick		UND	1	\$2,273,562.00	\$431,976.78	\$2,705,538.78	\$1,262,117.25	\$239,802.28	\$1,501,919.53	\$1,829,124.00	\$347,533.56	\$2,176,657.56	\$1,788,267.75	\$2,128,038.62		
3375	Pad ajuste strading		UND	1	\$2,285,880.00	\$434,317.20	\$2,720,197.20	\$954,471.75	\$181,349.63	\$1,135,821.38	\$1,377,195.00	\$261,667.05	\$1,638,862.05	\$1,539,182.25	\$1,831,626.88		
3376	Pad ajuste strading		UND	1	\$882,456.00	\$167,666.64	\$1,050,122.64	\$1,149,494.00	\$218,403.86	\$1,367,897.86	\$1,271,991.00	\$241,678.29	\$1,513,669.29	\$1,101,313.67	\$1,310,563.26		
3377	Pad ajuste strading		UND	1	\$983,659.00	\$186,895.21	\$1,170,554.21	\$872,337.75	\$165,744.17	\$1,038,081.92	\$1,273,432.00	\$241,952.08	\$1,515,384.08	\$1,043,142.92	\$1,241,340.07		
3378	Catarina reductor		UND	1	\$9,480,540.75	\$1,801,302.74	\$11,281,843.49	\$11,706,117.00	\$2,224,162.23	\$13,930,279.23	\$15,820,637.00	\$3,005,921.03	\$18,826,558.03	\$12,335,764.92	\$14,679,560.25		
3379	Piñón reductor		UND	1	\$4,181,780.25	\$794,538.25	\$4,976,318.50	\$9,769,786.00	\$1,856,259.34	\$11,626,045.34	\$4,934,794.00	\$937,610.86	\$6,872,404.86	\$6,295,453.42	\$7,491,589.57		
3380	Retenedor grande reductor delantero		UND	1	\$2,072,934.00	\$393,857.46	\$2,466,791.46	\$1,256,319.00	\$238,700.61	\$1,495,019.61	\$928,707.75	\$176,454.47	\$1,105,162.22	\$1,419,320.25	\$1,688,991.10		

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO			
	REPUESTOS		VR. UNITARIO SIN IVA			IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION																	
3392	Correa aire acondicionado		UND	1	\$334,388.25	\$63,533.77	\$397,922.02	\$404,343.00	\$76,825.17	\$481,168.17	\$385,103.00	\$73,169.57	\$458,272.57	\$374,611.42	\$445,787.59			
3393	Bomba de transferencia de combustible original		UND	1	\$10,487,764.00	\$1,992,675.16	\$12,480,439.16	\$20,790,946.00	\$3,950,279.74	\$24,741,225.74	\$6,996,232.50	\$1,329,284.18	\$8,325,516.68	\$12,758,314.17	\$15,182,393.86			
3394	Purificador combustible		UND	1	\$1,804,095.75	\$342,778.19	\$2,146,873.94	\$3,773,553.00	\$716,975.07	\$4,490,528.07	\$2,313,809.00	\$439,623.71	\$2,753,432.71	\$2,630,485.92	\$3,130,278.24			
3395	Válvula de segmentación		UND	1	\$2,434,287.00	\$462,514.53	\$2,896,801.53	\$1,339,400.25	\$254,486.05	\$1,593,886.30	\$1,915,561.00	\$363,956.59	\$2,279,517.59	\$1,896,416.08	\$2,256,735.14			
3396	Tubo sistema aire		UND	1	\$3,515,305.00	\$667,907.95	\$4,183,212.95	\$1,892,669.00	\$359,607.11	\$2,252,276.11	\$1,518,893.25	\$288,589.72	\$1,807,482.97	\$2,308,955.75	\$2,747,657.34			
3397	Acople silenciador		UND	1	\$512,846.00	\$97,440.74	\$610,286.74	\$819,728.00	\$155,748.32	\$975,476.32	\$496,821.75	\$94,396.13	\$591,217.88	\$609,798.58	\$725,660.31			
3398	tubos botella estabilizadora		UND	1	\$10,254,107.00	\$1,948,280.33	\$12,202,387.33	\$7,340,070.75	\$1,394,613.44	\$8,734,684.19	\$16,125,841.00	\$3,063,909.79	\$19,189,750.79	\$11,240,006.25	\$13,375,607.44			
3399	Tubo hidraulico		UND	1	\$6,237,830.00	\$1,185,187.70	\$7,423,017.70	\$3,358,741.00	\$638,160.79	\$3,996,901.79	\$2,552,219.25	\$484,921.66	\$3,037,140.91	\$4,049,596.75	\$4,819,020.13			
3400	Bobina control transmision		UND	1	\$5,029,885.50	\$955,678.25	\$5,985,563.75	\$5,953,828.00	\$1,131,227.32	\$7,085,055.32	\$7,627,911.00	\$1,449,303.09	\$9,077,214.09	\$6,203,874.83	\$7,382,611.05			
3401	Solenoido transmision		UND	1	\$7,671,792.00	\$1,457,640.48	\$9,129,432.48	\$11,518,992.00	\$2,188,608.48	\$13,707,600.48	\$5,622,248.25	\$1,068,227.17	\$6,690,475.42	\$8,271,010.75	\$9,842,502.79			
3402	grupo válvula de control transmision marcha y contramarcha		UND	1	\$30,678,055.00	\$5,828,830.45	\$36,506,885.45	\$12,711,230.25	\$2,415,133.75	\$15,126,364.00	\$15,837,696.00	\$3,009,162.24	\$18,846,858.24	\$19,742,327.08	\$23,493,369.23			
3403	Camisa motor		UND	1	\$7,514,018.25	\$1,427,663.47	\$8,941,681.72	\$7,678,136.00	\$1,458,845.84	\$9,136,981.84	\$8,753,271.00	\$1,663,121.49	\$10,416,392.49	\$7,981,808.42	\$9,498,352.02			
3404	Buje de biela		UND	1	\$1,218,275.25	\$231,472.30	\$1,449,747.55	\$1,873,768.00	\$356,015.92	\$2,229,783.92	\$1,224,459.00	\$232,647.21	\$1,457,106.21	\$1,438,834.08	\$1,712,212.56			
3405	Sello trasero cigüeñal		UND	1	\$1,660,245.00	\$315,446.55	\$1,975,691.55	\$1,143,654.75	\$217,294.40	\$1,360,949.15	\$1,180,351.00	\$224,266.69	\$1,404,617.69	\$1,328,083.58	\$1,580,419.46			
3406	Sello delantero cigüeñal		UND	1	\$1,149,558.75	\$218,416.16	\$1,367,974.91	\$1,170,306.00	\$222,358.14	\$1,392,664.14	\$1,355,867.00	\$257,614.73	\$1,613,481.73	\$1,225,243.92	\$1,458,040.26			
3407	Empaquetadura superior motor		UND	1	\$15,986,256.00	\$3,037,388.64	\$19,023,644.64	\$10,541,931.00	\$2,002,966.89	\$12,544,897.89	\$7,239,261.75	\$1,375,459.73	\$8,614,721.48	\$11,255,816.25	\$13,394,421.34			
3408	Empaquetadura inferior motor		UND	1	\$1,821,634.00	\$346,110.46	\$2,167,744.46	\$871,514.10	\$165,587.68	\$1,037,101.78	\$1,240,598.00	\$235,713.62	\$1,476,311.62	\$1,311,248.70	\$1,560,385.95			
3409	Guardabarros trasero izquierdo		UND	1	\$5,777,077.00	\$1,097,644.63	\$6,874,721.63	\$2,714,620.20	\$515,777.84	\$3,230,398.04	\$3,260,726.00	\$496,537.94	\$3,880,263.94	\$3,917,474.40	\$4,661,794.54			
3410	Tanque auxiliar radiador		UND	1	\$707,413.50	\$134,408.57	\$841,822.07	\$978,868.00	\$185,984.92	\$1,164,852.92	\$801,869.00	\$152,355.11	\$954,224.11	\$829,383.50	\$986,966.37			
3411	Empaque seguro		UND	1	\$395,747.00	\$75,191.93	\$470,938.93	\$715,772.00	\$135,996.68	\$851,768.68	\$320,639.70	\$60,921.54	\$381,561.24	\$477,386.23	\$568,089.62			
3412	Cerrojo ventana		UND	1	\$674,065.00	\$128,072.35	\$802,137.35	\$560,051.00	\$106,409.69	\$666,460.69	\$392,350.50	\$74,546.60	\$466,897.10	\$542,155.50	\$645,165.05			
3413	Llave master		UND	1	\$558,381.60	\$106,092.50	\$664,474.10	\$611,159.00	\$116,120.21	\$727,279.21	\$874,549.00	\$166,164.31	\$1,040,713.31	\$681,363.20	\$810,822.21			
3414	Neumaticos 12 5/80-18		UND	1	\$190,052.10	\$36,109.90	\$226,162.00	\$427,463.00	\$81,217.97	\$508,680.97	\$230,237.00	\$43,745.03	\$273,982.03	\$282,584.03	\$336,275.00			
3415	frame (sillin brazo trasero)		UND	1	\$746,372.00	\$141,810.68	\$888,182.68	\$1,278,875.00	\$242,986.25	\$1,521,861.25	\$886,170.20	\$130,372.34	\$1,016,542.54	\$903,805.73	\$1,075,528.82			
3416	Retenedor housing		UND	1	\$345,810.00	\$65,703.90	\$411,513.90	\$412,103.00	\$78,299.57	\$490,402.57	\$765,662.00	\$145,475.78	\$911,137.78	\$507,858.33	\$604,351.42			
3417	Buje superior chasis		UND	1	\$395,101.00	\$75,069.19	\$470,170.19	\$345,911.70	\$65,723.22	\$411,634.92	\$355,658.00	\$67,575.02	\$423,233.02	\$365,556.90	\$435,012.71			
3418	Pasador superior		UND	1	\$412,974.00	\$78,465.06	\$491,439.06	\$433,373.00	\$82,340.87	\$515,713.87	\$351,704.40	\$66,823.84	\$418,528.24	\$399,350.47	\$475,227.06			
3419	Buje boom		UND	1	\$504,459.30	\$95,847.27	\$600,306.57	\$726,493.00	\$138,033.67	\$864,526.67	\$1,166,475.00	\$221,630.25	\$1,388,105.25	\$799,142.43	\$950,979.50			
3420	Pines ejes		UND	1	\$27,574.00	\$5,239.06	\$32,813.06	\$24,020.00	\$4,563.80	\$28,583.80	\$23,694.00	\$4,501.86	\$28,195.86	\$25,096.00	\$29,864.24			
3421	Shim chanela		UND	1	\$472,905.60	\$89,852.06	\$562,757.66	\$685,792.00	\$130,330.48	\$816,092.48	\$498,204.00	\$94,658.76	\$592,862.76	\$552,300.53	\$657,237.63			
3422	Shim chanela		UND	1	\$1,066,989.00	\$202,727.91	\$1,269,716.91	\$568,411.00	\$107,998.09	\$676,409.09	\$483,633.60	\$91,890.38	\$575,523.98	\$706,344.53	\$840,549.99			
3423	Pasador gato boom		UND	1	\$603,903.00	\$114,741.57	\$718,644.57	\$1,031,027.00	\$195,895.13	\$1,226,922.13	\$466,316.70	\$88,600.17	\$554,916.87	\$700,415.57	\$833,494.52			
3424	Pasador sillín superior		UND	1	\$2,099,136.00	\$398,835.84	\$2,497,971.84	\$1,083,135.00	\$205,795.65	\$1,288,930.65	\$733,998.00	\$139,459.62	\$873,457.62	\$1,305,423.00	\$1,553,453.37			
3425	Buje boom chasis		UND	1	\$730,993.00	\$138,888.67	\$869,881.67	\$441,253.00	\$83,838.07	\$525,091.07	\$391,010.10	\$74,291.92	\$465,302.02	\$521,085.37	\$620,091.59			
3426	Buje boom chasis		UND	1	\$433,061.00	\$82,281.59	\$515,342.59	\$456,116.00	\$145,562.04	\$601,678.04	\$429,849.00	\$81,671.31	\$511,520.31	\$543,088.67	\$646,180.31			
3427	Buje teflon troque delantero		UND	1	\$348,664.50	\$66,246.26	\$414,910.76	\$377,877.00	\$71,796.63	\$449,673.63	\$640,398.00	\$121,675.62	\$762,073.62	\$455,646.50	\$542,219.34			
3428	empaquetadura botella arrastre		UND	1	\$568,303.00	\$107,977.57	\$676,280.57	\$534,918.30	\$101,634.48	\$636,552.78	\$789,865.00	\$150,074.35	\$939,939.35	\$631,028.77	\$750,924.23			
3429	Bota para llanta		UND	1	\$584,340.00	\$111,024.60	\$695,364.60	\$432,838.80	\$82,239.37	\$515,078.17	\$618,416.00	\$117,499.04	\$735,915.04	\$545,198.27	\$648,785.94			
3430	Parche de llanta		UND	1	\$224,089.00	\$42,576.91	\$266,665.91	\$131,401.20	\$24,966.23	\$156,367.43	\$190,871.00	\$36,265.49	\$227,136.49	\$182,120.40	\$216,723.28			
3431	Sello reten troque		UND	1	\$143,584.50	\$27,281.06	\$170,865.56	\$273,114.00	\$51,891.66	\$325,005.66	\$187,082.00	\$35,545.58	\$222,627.58	\$201,260.17	\$239,499.60			
3432	Pista rodillo chanela 6D1734		UND	1	\$414,190.50	\$78,696.20	\$492,886.70	\$1,154,398.00	\$219,335.62	\$1,373,733.62	\$619,802.00	\$117,762.38	\$737,564.38	\$729,463.50	\$868,061.57			
3433	Guaya enganche boom		UND	1	\$2,144,928.00	\$407,536.32	\$2,552,464.32	\$1,024,142.40	\$194,587.05	\$1,218,729.46	\$1,393,645.00	\$264,792.55	\$1,658,437.55	\$1,520,905.13	\$1,809,877.11			
3434	Arandela ajuste trocha		UND	1	\$28,601.10	\$5,434.21	\$34,035.31	\$34,465.00	\$6,548.35	\$41,013.35	\$68,330.00	\$12,982.70	\$81,312.70	\$43,798.70	\$52,120.45			
3435	Arandela ajuste trocha		UND	1	\$35,368.20	\$6,719.96	\$42,088.16	\$36,028.00	\$6,845.32	\$42,873.32	\$69,093.00	\$13,127.67	\$82,220.67	\$46,829.73	\$55,727.38			
3436	Pin pasador 1		UND	1	\$41,083.00	\$7,805.77	\$48,888.77	\$39,464.00	\$7,498.16	\$46,962.16	\$31,035.15	\$5,896.68	\$36,931.83	\$37,194.05	\$44,260.92			
3437	Pin pasador 2		UND	1	\$37,740.00	\$7,170.60	\$44,910.60	\$54,920.00	\$10,434.80	\$65,354.80	\$28,318.05	\$5,380.43	\$33,698.48	\$40,326.02	\$47,987.96			
3438	Pin pasador 3		UND	1	\$64,194.00	\$8,776.86	\$72,970.86	\$73,119.00	\$13,892.61	\$87,011.61	\$32,209.65	\$6,119.83	\$38,329.48	\$50,507.55	\$60,103.98			
3439	Adaptadores pasamuro 11/16 Macho-Macho		UND	1	\$63,745.00	\$12,111.55	\$75,856.55	\$36,539.00	\$6,942.41	\$43,481.41	\$36,284.85	\$6,894.12	\$43,178.97	\$45,522.95	\$54,172.31			
3440	Esparragos eje 5/8		UND	1	\$244,361.00	\$46,428.59	\$290,789.59	\$180,037.80	\$34,207.18	\$214,244.98	\$264,816.00	\$50,315.04	\$315,131.04	\$229,738.27	\$273,388.54			
3441	Pasador balde		UND	1	\$832,953.60	\$158,261.18	\$991,214.78	\$1,007,349.00	\$191,396.31	\$1,198,745.31	\$1,106,408.00	\$210,217.52	\$1,316,625.52	\$982,236.87	\$1,168,861.87			
3442	pasador botella balde		UND	1	\$1,080,669.00	\$205,327.11	\$1,285,996.11	\$903,793.05	\$171,720.68	\$1,075,513.								

ITEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO			
	REPUUESTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA		
	DESCRIPCION																
3451	Retenedor bomba de servo				UND	1	\$2,700,359.00	\$513,068.21	\$3,213,427.21	\$1,533,266.00	\$291,320.54	\$1,824,586.54	\$1,071,241.65	\$203,535.91	\$1,274,777.56	\$1,768,288.88	\$2,104,263.77
3452	Selenoide apagado				UND	1	\$4,718,699.00	\$896,552.81	\$5,615,251.81	\$2,998,130.40	\$569,644.78	\$3,567,775.18	\$4,230,671.00	\$803,827.49	\$5,034,498.49	\$3,982,500.13	\$4,739,175.16
3453	Bomba de aceite				UND	1	\$7,011,639.00	\$1,332,211.41	\$8,343,850.41	\$13,352,048.00	\$2,536,889.12	\$15,889,937.12	\$4,686,547.05	\$890,443.94	\$5,576,990.99	\$8,350,078.02	\$9,936,592.84
3454	Tubos de enfriamiento				UND	1	\$1,298,935.00	\$246,797.65	\$1,545,732.65	\$580,456.80	\$110,286.79	\$690,743.59	\$741,926.00	\$140,965.94	\$882,891.94	\$873,772.60	\$1,039,789.39
3455	Regulador de voltaje				UND	1	\$1,596,615.00	\$303,356.85	\$1,899,971.85	\$1,260,491.00	\$239,493.29	\$1,499,984.29	\$886,583.70	\$168,450.90	\$1,055,034.60	\$1,247,896.57	\$1,484,996.91
3456	Juego rodamientos alternador				JUEGO	1	\$229,300.20	\$43,567.04	\$272,867.24	\$271,756.00	\$51,633.64	\$323,389.64	\$291,133.50	\$46,483.50	\$291,133.50	\$248,568.73	\$295,796.79
3457	Guaya estabilizador				UND	1	\$2,457,018.00	\$466,833.42	\$2,923,851.42	\$1,274,989.00	\$242,247.91	\$1,517,236.91	\$874,265.85	\$166,110.51	\$1,040,376.36	\$1,535,424.28	\$1,827,154.90
3458	Cauchos obturadores valvulas motor				UND	1	\$1,791,793.00	\$340,440.67	\$2,132,233.67	\$884,733.30	\$168,099.33	\$1,052,832.63	\$1,295,544.00	\$246,153.36	\$1,541,697.36	\$1,324,023.43	\$1,575,587.89
3459	Retenedor delantero cigüeñal				UND	1	\$1,488,180.00	\$282,754.20	\$1,770,934.20	\$649,453.05	\$123,396.08	\$772,849.13	\$889,888.00	\$169,078.72	\$1,058,966.72	\$1,009,173.68	\$1,200,916.68
3460	Retenedor trasero cigüeñal				UND	1	\$648,033.00	\$123,126.27	\$771,159.27	\$1,078,785.00	\$204,969.15	\$1,283,754.15	\$445,005.45	\$84,551.04	\$529,556.49	\$723,941.15	\$861,489.97
3461	Gatos puertas				UND	1	\$1,473,685.20	\$280,000.19	\$1,753,685.39	\$2,184,818.00	\$415,115.42	\$2,599,933.42	\$1,679,730.00	\$319,148.70	\$1,998,878.70	\$1,779,411.07	\$2,117,499.17
3462	Tubo coneccion bomba de agua				UND	1	\$584,431.00	\$111,041.89	\$695,472.89	\$815,691.00	\$154,981.29	\$970,672.29	\$530,153.55	\$100,729.17	\$630,882.72	\$643,425.18	\$765,675.97
3463	Cartridge turbo				UND	1	\$5,198,441.85	\$987,703.95	\$6,186,145.80	\$7,434,557.00	\$1,412,565.83	\$8,847,122.83	\$7,974,850.00	\$1,515,221.50	\$9,490,071.50	\$6,869,282.95	\$8,174,446.71
3464	Oring bomba de inyeccion				UND	1	\$164,069.00	\$31,173.11	\$195,242.11	\$151,546.00	\$28,793.74	\$180,339.74	\$109,060.80	\$20,721.55	\$129,782.35	\$141,558.60	\$168,454.73
3465	Oring grande rueda trasera				UND	1	\$116,646.00	\$22,162.74	\$138,808.74	\$183,421.00	\$34,849.99	\$218,270.99	\$99,492.30	\$18,903.54	\$118,395.84	\$133,186.43	\$158,491.86
3466	Metalizada de pasador sillin				UND	1	\$880,217.10	\$167,241.25	\$1,047,458.35	\$1,977,496.00	\$375,724.24	\$2,353,220.24	\$991,093.00	\$188,307.67	\$1,179,400.67	\$1,282,935.37	\$1,526,693.09
3467	control hidraulico stick				UND	1	\$8,494,040.40	\$1,613,867.68	\$10,107,908.08	\$8,640,422.00	\$1,641,680.18	\$10,282,102.18	\$15,864,164.00	\$3,014,191.16	\$18,878,355.16	\$10,999,542.13	\$13,089,455.14
3468	control hidraulico estabilizador				UND	1	\$2,557,704.90	\$485,963.93	\$3,043,668.83	\$3,292,555.00	\$625,585.45	\$3,918,140.45	\$5,915,047.00	\$1,123,858.93	\$7,038,905.93	\$3,921,768.97	\$4,666,905.07
3469	Pines pasador estabilizador				UND	1	\$55,356.00	\$10,517.64	\$65,873.64	\$35,853.00	\$6,812.07	\$42,665.07	\$41,124.00	\$7,813.56	\$48,937.56	\$44,111.00	\$52,492.09
3470	Sello NH 38566				UND	1	\$81,204.00	\$15,428.76	\$96,632.76	\$41,022.90	\$7,794.35	\$48,817.25	\$55,091.00	\$10,467.29	\$65,558.29	\$59,105.97	\$70,336.10
3471	Valvula aire				UND	1	\$577,658.00	\$109,755.02	\$687,413.02	\$926,617.00	\$176,057.23	\$1,102,674.23	\$421,324.20	\$80,051.60	\$501,375.80	\$641,866.40	\$763,821.02
3472	Tapa aire				UND	1	\$612,753.00	\$116,423.07	\$729,176.07	\$515,452.00	\$97,935.88	\$613,387.88	\$353,096.40	\$67,088.32	\$420,184.72	\$493,767.13	\$587,582.89
3473	Kit empaquetaduras para banco de válvulas Trasero				UND	1	\$3,693,391.00	\$701,744.29	\$4,395,135.29	\$1,983,613.50	\$376,886.57	\$2,360,500.07	\$2,316,186.00	\$405,875.34	\$2,542,061.34	\$2,604,396.83	\$3,099,232.23
3474	Empaquetaduras para válvulas estiblizadores				UND	1	\$1,038,937.00	\$197,398.03	\$1,236,335.03	\$981,432.90	\$186,472.25	\$1,167,905.15	\$1,171,473.00	\$222,579.87	\$1,394,052.87	\$1,063,947.63	\$1,266,097.68
3475	sello				UND	1	\$680,539.00	\$129,302.41	\$809,841.41	\$422,409.00	\$80,257.71	\$502,666.71	\$304,024.20	\$57,764.60	\$361,788.80	\$468,990.73	\$558,098.97
3476	Gato amortiguador cabrilla				UND	1	\$1,023,780.30	\$194,518.26	\$1,218,298.56	\$2,820,606.00	\$535,915.14	\$3,356,521.14	\$1,414,065.00	\$268,672.35	\$1,682,737.35	\$1,752,817.10	\$2,085,852.35
3477	Inducido motor arranque				UND	1	\$1,149,320.00	\$218,370.80	\$1,367,690.80	\$1,520,891.00	\$288,969.29	\$1,809,860.29	\$770,628.60	\$146,419.43	\$917,048.03	\$1,146,946.53	\$1,364,866.37
3478	Pasador botella estabilizadora				UND	1	\$487,826.10	\$92,686.96	\$580,513.06	\$613,704.00	\$116,603.76	\$730,307.76	\$898,824.00	\$170,776.56	\$1,069,600.56	\$666,784.70	\$793,473.79
3479	Pasador superior estabilizadora				UND	1	\$499,285.80	\$94,864.30	\$594,150.10	\$639,072.00	\$121,423.68	\$760,495.68	\$1,222,824.00	\$232,336.56	\$1,455,160.56	\$787,060.60	\$936,602.11
3480	511 Buje estabilizador				UND	1	\$256,466.40	\$48,728.62	\$305,195.02	\$303,538.00	\$57,672.22	\$361,210.22	\$565,959.00	\$107,532.21	\$673,491.21	\$375,321.13	\$446,632.15
3481	431 Buje estabilizador				UND	1	\$266,928.90	\$50,716.49	\$317,645.39	\$579,191.00	\$110,046.29	\$689,237.29	\$372,623.00	\$70,798.37	\$443,421.37	\$406,247.63	\$483,434.68
3482	321 Buje estabilizador				UND	1	\$407,142.90	\$77,357.15	\$484,500.05	\$529,729.00	\$100,648.51	\$630,377.51	\$886,160.00	\$168,370.40	\$1,054,530.40	\$607,677.30	\$723,135.99
3483	498 kit diferencial delantero completo				UND	1	\$13,041,121.95	\$2,477,813.17	\$15,518,935.12	\$14,308,860.00	\$2,718,683.40	\$17,027,543.40	\$26,824,825.00	\$5,096,716.75	\$31,921,541.75	\$18,058,268.98	\$21,489,340.09
3484	Embolo botella balde 2 1/2 x 108				UND	1	\$4,221,238.50	\$802,035.32	\$5,023,273.82	\$7,662,355.00	\$1,455,847.45	\$9,118,202.45	\$4,834,876.00	\$918,626.44	\$5,753,502.44	\$5,572,823.17	\$6,631,659.57
3485	Gato capot 2505881				UND	1	\$1,844,673.00	\$350,487.87	\$2,195,160.87	\$1,648,089.00	\$313,136.91	\$1,961,225.91	\$1,455,733.80	\$276,589.42	\$1,732,323.22	\$1,649,498.60	\$1,962,903.33
3486	Gato capot 2549301				UND	1	\$2,683,554.00	\$509,875.26	\$3,193,429.26	\$1,448,801.55	\$275,272.29	\$1,724,073.84	\$1,521,025.00	\$288,994.75	\$1,810,019.75	\$1,884,460.18	\$2,242,507.62
3487	Borne tornillo				UND	1	\$82,205.10	\$15,618.97	\$97,824.07	\$145,368.00	\$27,619.92	\$172,987.92	\$91,734.00	\$17,429.46	\$109,163.46	\$106,435.70	\$126,658.48
3488	Borne tipo pesado				UND	1	\$169,311.00	\$32,169.09	\$201,480.09	\$143,889.00	\$27,338.91	\$171,227.91	\$97,485.75	\$18,522.29	\$116,008.04	\$136,895.25	\$162,905.35
3489	Tapones de 9/16				UND	1	\$32,396.00	\$6,155.24	\$38,551.24	\$19,664.00	\$3,736.16	\$23,400.16	\$19,129.95	\$3,634.69	\$22,764.64	\$23,729.98	\$28,238.68
3490	Acoplesde 9/16 x 5/16 tipo barril				UND	1	\$91,167.00	\$17,321.73	\$108,488.73	\$39,604.05	\$7,524.77	\$47,128.82	\$59,300.00	\$11,267.00	\$70,567.00	\$63,357.02	\$75,394.85
3491	Automatico arranque				UND	1	\$1,396,468.00	\$265,328.92	\$1,661,796.92	\$1,244,473.00	\$236,449.87	\$1,480,922.87	\$985,763.70	\$187,295.10	\$1,173,058.80	\$1,208,901.57	\$1,438,592.86
3492	Juego de bobinas de campo				JUEGO	1	\$962,415.00	\$182,858.85	\$1,145,273.85	\$954,421.20	\$181,340.03	\$1,135,761.23	\$1,213,480.00	\$230,561.20	\$1,444,041.20	\$1,043,438.73	\$1,241,692.09
3493	Juego de escobillas				JUEGO	1	\$314,883.90	\$59,827.94	\$374,711.84	\$342,236.00	\$65,024.84	\$407,260.84	\$414,672.00	\$78,787.68	\$493,459.68	\$357,263.97	\$425,144.12
3494	portadiodos				UND	1	\$916,546.00	\$174,143.74	\$1,090,689.74	\$492,803.10	\$93,632.59	\$586,435.69	\$697,236.00	\$132,474.84	\$829,710.84	\$702,195.03	\$835,612.09
3495	Retenedor bomba inyeccion				UND	1	\$670,605.00	\$127,414.95	\$798,019.95	\$1,064,414.00	\$202,238.66	\$1,266,652.66	\$484,225.20	\$92,002.79	\$576,227.99	\$739,748.07	\$880,300.20
3496	Kit zapatas y rodillos bomba				UND	1	\$5,108,945.00	\$970,699.55	\$6,079,644.55	\$3,829,092.00	\$727,527.48	\$4,556,619.48	\$3,154,824.90	\$599,416.73	\$3,754,241.63	\$4,300,953.97	\$4,796,835.22
3497	kit de reparacion completo				UND	1	\$42,707,759.00	\$8,114,474.21	\$50,822,233.21	\$39,153,130.80	\$7,439,094.85	\$46,592,225.65	\$76,475,676.00	\$14,530,378.44	\$91,006,054.44	\$52,778,855.27	\$62,806,837.77
3498	Tapa guardabarras				UND	1	\$2,053,452.00	\$390,155.88	\$2,443,607.88	\$1,313,082.00	\$249,485.58	\$1,562,567.58	\$902,954.70	\$171,561.39	\$1,074,516.09	\$1,423,162.90	\$1,693,563.85
3499	piston aluminio y caucho				UND	1	\$1,576,546.65	\$299,543.86	\$1,876,090.51	\$3,446,989.00	\$654,927.91	\$4,101,916.91	\$1,963,059.00	\$372,981.21	\$2,336,040.21	\$2,328,864.88	\$2,771,349.21
3500	retenedor yoke item no contemplado				UND	1	\$2,446,797.00	\$464,891.43	\$2,911,688.43	\$1,418,965.00	\$269,603.35	\$1,688,568.35	\$1,168,510.95	\$222,017.08	\$1,390,528.03		

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO			
	REPUESTOS					VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA		
	DESCRIPCION																	
3510	laínas ajuste pivote					UND	1	\$616,757.85	\$117,183.99	\$733,941.84	\$619,804.00	\$117,762.76	\$737,566.76	\$862,086.00	\$163,796.34	\$1,025,882.34	\$699,549.28	\$832,463.65
3511	Solenoido bomba de inyeccion					UND	1	\$4,123,604.00	\$783,484.76	\$4,907,088.76	\$2,790,540.45	\$530,202.69	\$3,320,743.14	\$6,799,908.00	\$1,291,982.52	\$8,091,890.52	\$4,571,350.82	\$5,439,907.47
3512	TAIL RING EXCAVATOR REAR					UND	1	\$23,978,172.00	\$4,555,852.68	\$28,534,024.68	\$21,357,724.00	\$4,057,967.56	\$25,415,691.56	\$18,970,555.00	\$3,604,405.45	\$22,574,960.45	\$21,435,483.67	\$25,508,225.56
3513	PUNTA MANDO FINAL					UND	1	\$9,457,103.00	\$1,796,849.57	\$11,253,952.57	\$12,346,659.00	\$2,345,865.21	\$14,692,524.21	\$6,713,708.85	\$1,275,604.68	\$7,989,313.53	\$9,505,823.62	\$11,311,930.10
3514	ROTULA DIRECCION					UND	1	\$6,021,963.00	\$1,144,172.97	\$7,166,135.97	\$3,878,721.00	\$736,956.99	\$4,615,677.99	\$2,893,816.35	\$549,825.11	\$3,443,641.46	\$4,264,833.45	\$5,075,151.81
3515	pin punta eje solar					UND	1	\$626,583.00	\$119,050.77	\$745,633.77	\$357,655.50	\$67,954.54	\$425,610.04	\$388,222.00	\$73,762.18	\$461,984.18	\$457,486.83	\$544,409.33
	MANO DE OBRA																	
	DESCRIPCION					UNIDAD	CANT											
3516	Mantenimiento preventivo 250 horas					UND	1	\$1,621,114.00	\$308,011.66	\$1,929,125.66	\$776,165.85	\$147,471.51	\$923,637.36	\$812,771.00	\$154,426.49	\$967,197.49	\$1,070,016.95	\$1,273,320.17
3517	Mantenimiento preventivo 500 horas					UND	1	\$686,878.20	\$130,506.86	\$817,385.06	\$998,542.00	\$189,722.98	\$1,188,264.98	\$1,319,760.00	\$250,754.40	\$1,570,514.40	\$1,001,726.73	\$1,192,054.81
3518	Mantenimiento preventivo 1000 horas					UND	1	\$877,123.35	\$166,653.44	\$1,043,776.79	\$1,235,706.00	\$234,784.14	\$1,470,490.14	\$2,007,343.00	\$388,738.17	\$2,388,173.17	\$1,373,390.78	\$1,634,335.03
3519	Mantenimiento preventivo 2000 horas					UND	1	\$1,400,253.00	\$266,048.07	\$1,666,301.07	\$930,371.00	\$176,770.49	\$1,107,141.49	\$831,171.15	\$157,922.52	\$989,093.67	\$1,053,931.72	\$1,254,178.74
3520	Desmonte y montaje de motor					UND	1	\$886,479.30	\$168,431.07	\$1,054,910.37	\$1,141,553.00	\$216,895.07	\$1,358,448.07	\$935,543.00	\$177,753.17	\$1,113,296.17	\$987,858.43	\$1,175,551.54
3521	rectificadora					GLOBAL	1	\$7,926,737.85	\$1,506,080.19	\$9,432,818.04	\$10,783,864.00	\$2,048,934.16	\$12,832,798.16	\$19,416,008.00	\$3,689,041.52	\$23,105,049.52	\$12,708,869.95	\$15,123,555.24
3522	Desmontar y montar sensor temperatura y presion					UND	1	\$1,286,150.00	\$244,368.50	\$1,530,518.50	\$1,095,527.25	\$208,150.18	\$1,303,677.43	\$1,520,858.00	\$288,963.02	\$1,809,821.02	\$1,300,845.08	\$1,548,005.65
3523	Desmonte y monte de servotransmision					UND	1	\$3,844,894.05	\$730,529.87	\$4,575,423.92	\$5,316,622.00	\$1,010,158.18	\$6,326,780.18	\$7,908,282.00	\$9,410,855.58	\$5,689,932.68	\$6,771,019.89	\$8,000,000.00
3524	Reparacion general servo transmision cambio de partes en mal estado					GLOBAL	1	\$21,991,245.00	\$4,178,336.55	\$26,169,581.55	\$12,511,578.00	\$2,377,199.82	\$14,888,777.82	\$10,495,121.40	\$1,994,073.07	\$12,489,194.47	\$14,999,314.80	\$17,849,184.61
3525	Desmontar y montar orbitrol direccion para su reparacion					UND	1	\$1,556,525.00	\$295,739.75	\$1,852,264.75	\$681,536.25	\$129,491.89	\$811,028.14	\$606,685.00	\$153,270.15	\$959,955.15	\$1,014,915.42	\$1,207,749.35
3526	Desmontar y montar master baterias					UND	1	\$477,099.00	\$90,648.81	\$567,747.81	\$263,090.25	\$49,987.15	\$313,077.40	\$363,297.00	\$69,026.43	\$432,323.43	\$367,828.75	\$437,716.21
3527	Desmontar y montar manguera superior e inferior radiador refrigeranto					UND	1	\$295,019.00	\$56,053.61	\$351,072.61	\$252,972.90	\$48,064.85	\$301,037.75	\$396,173.00	\$75,272.87	\$471,445.87	\$314,721.63	\$374,518.74
3528	Desmontar y montar muelles exosto					UND	1	\$482,994.45	\$91,768.95	\$574,763.40	\$594,574.00	\$112,969.06	\$707,543.06	\$1,107,821.00	\$210,485.99	\$1,318,306.99	\$728,463.15	\$866,871.15
3529	Desmontar y montar empaque tapa valvulas					UND	1	\$747,238.00	\$141,975.22	\$889,213.22	\$560,380.95	\$106,472.38	\$666,853.33	\$1,316,024.00	\$250,044.56	\$1,566,068.56	\$874,547.65	\$1,040,711.70
3530	Desmontar y montar carter					UND	1	\$926,413.00	\$176,018.47	\$1,102,431.47	\$657,184.00	\$124,864.96	\$782,048.96	\$566,590.50	\$107,652.20	\$674,242.70	\$716,729.17	\$852,907.71
3531	Desmontar y montar carcaza de volante de motor para cambio					UND	1	\$623,773.80	\$118,517.02	\$742,290.82	\$636,544.00	\$120,943.36	\$757,487.36	\$692,842.00	\$131,639.98	\$824,481.98	\$651,053.27	\$774,753.39
3532	Desmontar y montar volante de motor					UND	1	\$1,808,725.95	\$343,657.93	\$2,152,383.88	\$2,504,878.00	\$475,926.82	\$2,980,804.82	\$4,039,779.00	\$767,558.01	\$4,807,337.01	\$2,784,460.98	\$3,313,508.57
3533	Desmontar y montar tapa distribucion de motor					UND	1	\$535,946.85	\$101,829.90	\$637,776.75	\$703,619.00	\$133,687.61	\$837,306.61	\$1,325,683.00	\$251,879.77	\$1,577,562.77	\$855,082.95	\$1,017,548.71
3534	Desmontar y montar guaya de freno de parqueo					UND	1	\$950,993.00	\$180,688.67	\$1,131,681.67	\$531,904.05	\$101,061.77	\$632,965.82	\$587,901.00	\$111,701.19	\$699,602.19	\$690,266.02	\$821,416.56
3535	/transferencia					UND	1	\$2,464,470.45	\$468,249.39	\$2,932,719.84	\$2,715,898.00	\$516,020.82	\$3,231,918.82	\$4,185,065.00	\$795,162.35	\$4,980,227.35	\$3,121,811.15	\$3,714,955.27
3536	Desmontar y montar interruptor multifuncion					UND	1	\$665,206.00	\$126,389.14	\$791,595.14	\$591,114.15	\$112,311.69	\$703,425.84	\$1,029,742.00	\$195,650.98	\$1,225,392.98	\$762,020.72	\$906,804.65
3537	Desmontar y montar tubos de lubricacion turbo					UND	1	\$872,708.00	\$148,714.52	\$991,422.52	\$523,434.60	\$99,452.57	\$622,887.17	\$660,242.00	\$125,445.98	\$785,687.98	\$655,461.53	\$779,999.22
3538	Desmontar y montar vailado y enfocado de aire radiador					UND	1	\$1,217,627.00	\$231,349.13	\$1,448,976.13	\$624,768.00	\$118,705.92	\$743,473.92	\$524,852.55	\$99,721.98	\$624,574.53	\$789,082.52	\$939,008.19
3539	Desmontar y montar termostato					UND	1	\$596,456.10	\$113,326.66	\$709,782.76	\$1,176,976.00	\$223,625.44	\$1,400,601.44	\$619,993.00	\$117,798.67	\$737,791.67	\$797,808.37	\$949,391.96
3540	Desmontar y montar bomba de inyeccion					UND	1	\$2,366,504.00	\$449,635.76	\$2,816,139.76	\$4,366,056.00	\$829,550.64	\$5,195,606.64	\$1,856,224.35	\$352,682.63	\$2,208,906.98	\$2,862,928.12	\$3,406,884.46
3541	Desmontar y montar inyectorres					UND	1	\$1,364,938.00	\$259,338.22	\$1,624,276.22	\$2,543,258.00	\$483,219.02	\$3,026,477.02	\$933,937.65	\$177,448.15	\$1,111,385.80	\$1,614,044.55	\$1,920,713.01
3542	Desmontar y montar soporte de motor (uno solo)					UND	1	\$847,152.00	\$160,958.88	\$1,008,110.88	\$957,889.00	\$181,998.91	\$1,139,887.91	\$900,551.00	\$171,104.69	\$1,071,655.69	\$901,864.00	\$1,073,218.16
3543	Lavadas y engrasadas					UND	1	\$1,093,276.35	\$207,722.51	\$1,300,998.86	\$1,266,670.00	\$240,667.30	\$1,507,337.30	\$1,314,869.00	\$249,825.11	\$1,564,694.11	\$1,224,938.45	\$1,457,676.76
3544	Desmontar y montar tensor correo y polea loca motor					UND	1	\$3,154,194.90	\$599,297.03	\$3,753,491.93	\$4,422,701.00	\$840,313.19	\$5,263,014.19	\$5,085,277.00	\$966,202.63	\$6,051,479.63	\$4,220,724.30	\$5,022,661.92
3545	Reconstrucción del balde frontal en general bases costados y fondo					UND	1	\$4,961,789.55	\$942,740.01	\$5,904,529.56	\$6,742,556.00	\$1,281,085.64	\$8,023,641.64	\$5,900,721.00	\$1,121,136.99	\$7,021,857.99	\$5,868,355.52	\$6,983,343.06
3546	Reconstrucción del cucharon trasero bases costados y fondo					UND	1	\$11,406,085.00	\$2,167,156.15	\$13,573,241.15	\$6,223,970.00	\$1,182,554.30	\$7,406,524.30	\$5,339,340.45	\$1,014,474.69	\$6,353,815.14	\$7,656,465.15	\$9,111,193.53
3547	stops					UND	1	\$2,037,793.00	\$387,180.67	\$2,424,973.67	\$1,459,039.00	\$277,217.41	\$1,736,256.41	\$1,070,694.90	\$203,432.03	\$1,274,126.93	\$1,522,508.97	\$1,811,785.67
3548	Ajuste equipo trasero cambio de bujes y pasadores					UND	1	\$5,151,850.00	\$978,851.50	\$6,130,701.50	\$4,287,519.45	\$814,628.70	\$5,102,148.15	\$8,917,845.00	\$1,694,390.55	\$10,612,235.55	\$6,119,071.48	\$7,281,695.07
3549	Ajuste equipo delantero cambio de bujes y pasadores					UND	1	\$7,298,677.00	\$1,386,748.63	\$8,685,425.63	\$5,600,185.00	\$1,064,035.15	\$6,664,220.15	\$4,015,329.30	\$762,912.57	\$4,778,241.87	\$5,638,063.77	\$6,709,295.88
3550	Cambio De Dientes Del Boom (Incluye Corte De Tornillos O Pin)					UND	1	\$642,831.00	\$122,137.89	\$764,968.89	\$626,424.75	\$119,020.70	\$745,445.45	\$675,126.00	\$128,273.94	\$803,399.94	\$648,127.25	\$771,271.43
3551	Cambio De Dientes Del Balde Delantero (Incluye Corte De Tornillos)					UND	1	\$956,922.00	\$181,815.18	\$1,138,737.18	\$680,149.00	\$129,228.60	\$809,378.26	\$1,121,132.00	\$213,015.08	\$1,334,147.08	\$919,401.27	\$1,094,087.51
3552	Cambio De Cuchillas Del Balde Delantero (Incluye Corte De Tornillos)					JUEGO	1	\$918,554.00	\$174,525.26	\$1,093,079.26	\$657,765.00	\$124,975.35	\$782,740.35	\$1,037,893.00	\$197,199.67	\$1,235,092.67	\$871,404.00	\$1,036,970.76
3553	Despachada De Llantas Traseras					UND	1	\$250,420.00	\$47,579.80	\$297,999.80	\$257,663.00	\$48,955.97	\$306,618.97	\$489,866.00	\$93,074.54	\$582,940.54	\$332,649.67	\$395,853.10
3554	Montaje De Llantas traseras					UND	1	\$349,180.00	\$66,344.20	\$415,524.20	\$637,736.00	\$121,169.84	\$758,905.84	\$290,850.00	\$55,261.50	\$346,111.50	\$425,922.00	\$506,847.18
3555	Montaje De Llantas Delanteras					UND	1	\$381,2										

ITEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION														
3567	Mantenimiento Sistema Hidráulico: Cambio De Filtros Aceites		CONJUNTO	1	\$2,604,012.00	\$494,762.28	\$3,098,774.28	\$1,107,833.40	\$210,488.35	\$1,318,321.75	\$1,444,102.00	\$274,379.38	\$1,718,481.38	\$1,718,649.13	\$2,045,192.47
3568	Instalacion de bomba de transferencia de combustible		UND	1	\$6,025,809.00	\$1,144,903.71	\$7,170,712.71	\$5,496,602.00	\$1,044,354.38	\$6,540,956.38	\$3,745,987.65	\$711,737.65	\$4,457,725.30	\$5,089,466.22	\$6,056,464.80
3569	Calibración bomba de inyeccion		UND	1	\$12,807,509.00	\$2,433,426.71	\$15,240,935.71	\$5,016,926.70	\$953,216.07	\$5,970,142.77	\$6,643,686.00	\$1,262,300.34	\$7,905,986.34	\$8,156,040.57	\$9,705,686.27
3570	partes afectadas		UND	1	\$3,591,341.00	\$682,354.79	\$4,273,695.79	\$1,968,285.00	\$373,974.15	\$2,342,259.15	\$1,397,298.60	\$265,486.73	\$1,662,785.33	\$2,318,974.87	\$2,759,580.09
3571	mal estado		UND	1	\$1,644,583.50	\$312,470.87	\$1,957,054.37	\$1,845,145.00	\$350,577.55	\$2,195,722.55	\$2,096,324.00	\$398,301.56	\$2,494,625.56	\$1,862,017.50	\$2,215,800.83
3572	Reacondicionar base de la cuchilla balde delantero y reforzar		UND	1	\$4,702,138.00	\$893,406.22	\$5,595,544.22	\$4,488,847.20	\$852,880.97	\$5,341,728.17	\$4,670,928.00	\$887,476.32	\$5,558,404.32	\$4,620,637.73	\$5,498,558.90
3573	de transmision		UND	1	\$2,340,029.00	\$444,605.51	\$2,784,634.51	\$1,559,977.00	\$296,395.63	\$1,856,372.63	\$1,087,037.00	\$206,537.05	\$1,293,574.15	\$1,662,347.70	\$1,978,193.76
3574	Arreglo balde trasero cambio de platina y soporte bujes		UND	1	\$6,332,937.00	\$1,203,258.03	\$7,536,195.03	\$4,879,118.25	\$927,032.47	\$5,806,150.72	\$7,569,219.00	\$1,438,151.61	\$9,007,370.61	\$6,260,424.75	\$7,449,905.45
3575	Cambio brazos de dirección (un lado)		UND	1	\$1,150,457.00	\$218,586.83	\$1,369,043.83	\$568,655.55	\$108,044.55	\$676,700.10	\$816,135.00	\$155,065.65	\$971,200.65	\$845,082.52	\$1,005,648.19
3576	Reparacion bomba de frenos		UND	1	\$1,378,372.00	\$261,890.68	\$1,640,262.68	\$1,160,527.00	\$220,500.13	\$1,381,027.13	\$926,807.40	\$176,093.41	\$1,102,900.81	\$1,155,235.47	\$1,374,730.21
3577	Desmontar y montar dados crucetas cardan		UND	1	\$974,161.00	\$185,090.59	\$1,159,251.59	\$605,082.00	\$114,965.58	\$720,047.58	\$468,240.85	\$87,065.76	\$545,306.61	\$679,161.28	\$808,201.93
3578	Cambio de solenoides bomba de inyeccion		UND	1	\$1,199,574.00	\$227,919.06	\$1,427,493.06	\$712,495.80	\$135,374.20	\$847,870.00	\$920,904.00	\$174,971.76	\$1,095,875.76	\$944,324.60	\$1,123,746.27
3579	Desmontar y montar banco eléctrico válvulas de marchas		UND	1	\$3,320,301.15	\$630,857.22	\$3,951,158.37	\$5,435,229.00	\$1,032,693.51	\$6,467,922.51	\$3,967,454.00	\$753,816.26	\$4,721,270.26	\$4,240,994.72	\$5,046,783.71
3580	Calibrada bomba de frenos y varillaje		UND	1	\$1,127,683.00	\$124,259.77	\$1,341,942.77	\$826,918.20	\$157,114.46	\$984,032.66	\$1,179,782.00	\$224,158.58	\$1,403,940.58	\$1,044,794.40	\$1,243,305.34
3581	Cambio pasador spool control hidraulico		UND	1	\$873,140.00	\$165,896.60	\$1,039,036.60	\$794,756.70	\$151,003.77	\$945,760.47	\$842,302.00	\$160,037.38	\$1,002,339.38	\$836,732.90	\$995,712.15
3582	Arreglo general de base silla operador.		UND	1	\$789,557.00	\$150,015.83	\$939,572.83	\$1,167,603.00	\$221,844.57	\$1,389,447.57	\$595,533.60	\$113,151.38	\$708,684.98	\$850,897.87	\$1,012,568.46
3583	Instalación de vidrios cabina (uno solo)		UND	1	\$1,016,650.00	\$193,163.50	\$1,209,813.50	\$485,750.70	\$92,292.63	\$578,043.33	\$694,658.00	\$131,985.02	\$826,643.02	\$732,352.90	\$871,499.95
3584	Desmontar y montar bomba de agua		UND	1	\$1,494,192.00	\$283,896.48	\$1,778,088.48	\$1,069,881.75	\$203,277.53	\$1,273,159.28	\$2,026,831.00	\$385,097.89	\$2,411,928.89	\$1,530,301.58	\$1,821,058.88
3585	empaquetadura (un solo lado)		UND	1	\$763,670.00	\$145,097.30	\$908,767.30	\$602,550.00	\$114,484.50	\$717,034.50	\$909,155.00	\$172,739.45	\$1,081,894.45	\$758,458.33	\$902,565.42
3586	Reparar válvula de control balde delantero		UND	1	\$6,350,911.00	\$1,206,673.09	\$7,557,584.09	\$4,083,408.45	\$775,847.61	\$4,859,256.06	\$5,835,669.00	\$1,108,777.11	\$6,944,446.11	\$5,423,329.48	\$6,453,762.09
3587	Cambio de valvula llanta		UND	1	\$255,508.00	\$48,546.52	\$304,054.52	\$151,949.70	\$28,870.44	\$180,820.14	\$166,760.00	\$31,684.40	\$198,444.40	\$191,405.90	\$227,773.02
3588	Reparacion general silla operador tapizado y estructura		UND	1	\$1,475,974.00	\$280,435.06	\$1,756,409.06	\$2,396,673.00	\$455,367.87	\$2,852,040.87	\$1,191,345.75	\$226,355.69	\$1,417,701.44	\$1,687,997.58	\$2,008,717.12
3589	Desmontar y montar crucetas cardan troque trasero		UND	1	\$964,061.55	\$183,171.69	\$1,147,233.24	\$1,281,061.00	\$243,401.59	\$1,524,462.59	\$2,455,065.00	\$466,462.35	\$2,921,527.35	\$1,566,729.18	\$1,864,407.73
3590	Desmontar y montar crucetas cardan troque delantero		UND	1	\$909,394.20	\$172,784.90	\$1,082,179.10	\$1,321,635.00	\$251,110.65	\$1,572,745.65	\$2,416,906.00	\$459,212.14	\$2,876,118.14	\$1,549,311.73	\$1,843,680.96
3591	Desmontar y montar crucetas eje doble un solo lado		UND	1	\$1,353,326.00	\$257,131.94	\$1,610,457.94	\$1,887,219.00	\$358,571.61	\$2,245,790.61	\$1,073,520.90	\$203,968.97	\$1,277,489.87	\$1,438,021.97	\$1,711,246.14
3592	Revision y mantenimiento de los cardanes y cambio de crucetas		UND	1	\$1,013,583.00	\$192,580.77	\$1,206,163.77	\$1,188,269.00	\$225,771.11	\$1,414,040.11	\$856,773.00	\$162,786.87	\$1,019,559.87	\$1,019,541.67	\$1,213,254.58
3593	Cambio de rotulas y terminales del cilindro de direccion y alineacion		UND	1	\$1,272,663.00	\$241,805.97	\$1,514,468.97	\$1,026,499.50	\$195,034.90	\$1,221,534.40	\$1,446,044.00	\$274,748.36	\$1,720,792.36	\$1,248,402.17	\$1,485,598.58
3594	Bajar sillin soporte boom para cambio		UND	1	\$1,810,939.00	\$344,078.41	\$2,155,017.41	\$1,241,226.90	\$235,833.11	\$1,477,060.01	\$2,525,645.00	\$479,872.55	\$3,005,517.55	\$1,859,270.30	\$2,212,531.66
3595	cilindro del boom		CONJUNTO	1	\$1,169,682.30	\$222,239.64	\$1,391,921.94	\$2,256,495.00	\$428,734.05	\$2,685,229.05	\$1,409,750.00	\$267,852.50	\$1,677,602.50	\$1,611,975.77	\$1,918,251.16
3596	Ajuste del cilindro del balde y cambio de bujes y pasadores balde		UND	1	\$387,621.45	\$73,648.08	\$461,269.53	\$472,422.00	\$86,768.50	\$559,190.50	\$570,788.00	\$108,449.72	\$679,237.72	\$476,943.82	\$567,563.14
3597	3/8 antidesgaste, soldadura de patines, recuperar laterales y recuperar bases		CONJUNTO	1	\$30,940,426.00	\$5,878,680.94	\$36,819,106.94	\$18,493,173.00	\$3,513,702.87	\$22,006,875.87	\$16,811,394.75	\$3,194,165.00	\$20,005,559.75	\$22,081,664.58	\$26,277,180.85
3598	Arreglo luces direccionales y lamparas de trabajo		UND	1	\$636,970.00	\$121,024.30	\$757,994.30	\$652,877.00	\$124,046.63	\$776,923.63	\$548,429.85	\$104,201.67	\$652,631.52	\$612,758.95	\$729,183.15
3599	Mantenimiento sistema de combustible lavado tanque		CONJUNTO	1	\$1,242,585.45	\$236,091.24	\$1,478,676.69	\$1,829,542.00	\$347,612.98	\$2,177,154.98	\$2,027,358.00	\$385,198.02	\$2,412,556.02	\$1,699,828.48	\$2,022,795.90
3600	Mantenimiento servotransmision cambio de filtros y aceite		UND	1	\$1,493,131.00	\$283,694.89	\$1,776,825.89	\$2,303,437.00	\$437,653.03	\$2,741,090.03	\$1,163,850.75	\$221,131.64	\$1,384,982.39	\$1,653,472.92	\$1,967,632.77
3601	Reparacion de bornes de bateria		UND	1	\$222,941.25	\$42,358.84	\$265,300.09	\$291,719.00	\$55,426.61	\$347,145.61	\$450,673.00	\$85,627.87	\$536,300.87	\$321,777.73	\$382,915.52
3602	Buje separador de chapetas brazo balde		UND	1	\$1,099,565.00	\$208,917.35	\$1,308,482.35	\$908,011.80	\$172,522.24	\$1,080,534.04	\$1,561,484.00	\$296,681.96	\$1,858,165.96	\$1,189,686.93	\$1,415,727.45
3603	reparacion del sistema de frenos, cambio de discos separadores,		CONJUNTO	1	\$24,386,762.00	\$4,633,484.78	\$29,020,246.78	\$20,167,672.95	\$3,831,857.86	\$23,999,530.81	\$46,424,333.00	\$8,820,623.27	\$55,244,956.27	\$30,326,255.98	\$36,088,244.62
3604	(lado)		CONJUNTO	1	\$3,065,718.00	\$582,486.42	\$3,648,204.42	\$1,258,422.30	\$239,100.24	\$1,497,522.54	\$1,684,726.00	\$320,097.94	\$2,004,823.94	\$2,002,955.43	\$2,383,516.97
3605	Cambio de buje trocha y arandelas		UND	1	\$777,871.00	\$147,795.49	\$925,666.49	\$705,753.00	\$134,093.07	\$839,846.07	\$607,810.50	\$115,484.00	\$723,294.50	\$697,144.83	\$829,602.35
3606	Bajar troque delantero completo		CONJUNTO	1	\$3,513,927.00	\$667,646.13	\$4,181,573.13	\$2,715,733.35	\$515,989.34	\$3,231,722.69	\$6,034,521.00	\$1,146,558.99	\$7,181,079.99	\$4,088,060.45	\$4,864,791.94
3607	Desmontar y montar turbo		UND	1	\$1,371,587.00	\$260,601.53	\$1,632,188.53	\$1,512,839.00	\$287,439.41	\$1,800,278.41	\$1,124,307.00	\$213,618.33	\$1,337,925.33	\$1,336,244.33	\$1,590,130.76
3608	Reparacion general turbo incluye cambio de partes afectadas		GLOBAL	1	\$4,557,484.00	\$865,921.96	\$5,423,405.96	\$8,386,437.00	\$1,593,423.03	\$9,979,860.03	\$4,478,090.85	\$850,837.26	\$5,328,928.11	\$5,807,337.28	\$6,910,731.37
3609	Cambio bujes y pasadores del balde trasero		UND	1	\$1,401,407.10	\$266,267.35	\$1,667,674.45	\$1,611,129.00	\$306,114.51	\$1,917,243.51	\$2,851,751.00	\$541,832.69	\$3,393,583.69	\$1,954,762.37	\$2,326,167.22
3610	Instalacion de bujes y pasadores balde delantero		UND	1	\$1,188,967.00	\$225,903.73	\$1,414,870.73	\$887,655.00	\$168,654.45	\$1,056,309.45	\$847,034.55	\$160,936.56	\$1,007,971.11	\$974,552.18	\$1,159,717.10
3611	Cambio de bujes y pasadores de los estabilizadores		UND	1	\$805,899.15	\$153,120.84	\$959,019.99	\$992,960.00	\$188,662.40	\$1,181,622.40	\$1,648,475.00	\$313,210.25	\$1,961,685.25	\$1,149,111.38	\$1,367,442.55
3612	cambio		UND	1	\$4,585,466.00	\$871,238.54	\$5,456,704.54	\$1,866,977.10	\$354,725.65	\$2,221,702.75	\$2,326,591.00	\$442,052.29	\$2,768,643.29	\$2,926,344.70	\$3,482,350.19
3613	Cambio tubo H biselar, soldar, relleno y refuerzo en platina		UND	1	\$4,711,155.00	\$895,119.45	\$5,606,274.45	\$6,238,505.00	\$1,185,315.95	\$7,423,820.95	\$4,399,354.80	\$835,877.41	\$5,235,232.21	\$5,116,338.27	\$6,088,442.56
3614	rodamientos (un solo lado)		UND	1	\$2,537,364.00	\$482,099.16	\$3,019,463.16	\$606,528.00	\$3,798,781.07	\$1,801,872.90	\$2,144,228.75	\$342,355.			

ITEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	DESCRIPCION	VR. UNITARIO SIN IVA			IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA
3626	Revision de switch de controles hidraulicos		UND	1	\$1,964,399.00	\$373,235.81	\$2,337,634.81	\$1,526,863.00	\$290,103.97	\$1,816,966.97	\$1,082,009.25	\$205,581.76	\$1,287,591.01	\$1,524,423.75	\$1,814,064.26
3627	Cambio buje de levas		UND	1	\$596,403.00	\$113,316.57	\$709,719.57	\$801,396.00	\$152,265.24	\$953,661.24	\$595,765.35	\$113,195.42	\$708,960.77	\$664,521.45	\$790,780.53
3628	Desmontar y montar culata motor		UND	1	\$3,947,242.50	\$749,976.08	\$4,697,218.58	\$4,716,503.00	\$896,135.57	\$5,612,638.57	\$8,163,594.00	\$1,551,082.86	\$9,714,676.86	\$5,609,113.17	\$6,674,844.67
3629	Reparacion general culata incluye mano de obra mecanica y rectificadora		GLOBAL	1	\$12,450,260.00	\$2,365,549.40	\$14,815,809.40	\$7,679,286.00	\$1,459,064.34	\$9,138,350.34	\$5,190,947.40	\$986,280.01	\$6,177,227.41	\$8,440,164.47	\$10,043,795.72
3630	35x40cm		UND	1	\$3,574,881.00	\$679,227.39	\$4,254,108.39	\$4,459,981.00	\$847,396.39	\$5,307,377.39	\$2,786,421.30	\$529,420.05	\$3,315,841.35	\$3,607,094.43	\$4,292,442.38
3631	55x72cm		UND	1	\$2,291,933.40	\$435,467.35	\$2,727,400.75	\$3,420,649.00	\$649,923.31	\$4,070,572.31	\$3,593,418.00	\$682,749.42	\$4,276,167.42	\$3,102,000.13	\$3,691,380.16
3632	115x80cm		UND	1	\$3,255,637.00	\$618,571.03	\$3,874,208.03	\$6,424,656.00	\$1,220,684.64	\$7,645,340.64	\$2,429,877.30	\$461,676.69	\$2,891,553.99	\$4,036,723.43	\$4,803,700.89
3633	Reparacion de piston de botella estabilizadora		UND	1	\$1,083,106.00	\$205,790.14	\$1,288,896.14	\$872,762.40	\$165,824.86	\$1,038,587.26	\$1,666,058.00	\$316,551.02	\$1,982,609.02	\$1,207,308.80	\$1,436,697.47
3634	Reconstruccion y soldada de bases retenedores trocha delantera		UND	1	\$1,607,293.80	\$305,385.82	\$1,912,679.62	\$2,179,945.00	\$414,189.55	\$2,594,134.55	\$1,768,405.00	\$335,996.95	\$2,104,401.95	\$1,851,881.27	\$2,203,738.71
3635	Lavada y sondeada de radiador		UND	1	\$668,784.00	\$127,068.96	\$795,852.96	\$606,686.70	\$115,270.47	\$721,957.17	\$979,465.00	\$186,098.35	\$1,165,563.35	\$751,645.23	\$894,457.83
3636	Cambio de platina refuerzo orejas balde boom		UND	1	\$1,997,381.40	\$379,502.47	\$2,376,883.87	\$2,306,085.00	\$438,156.15	\$2,744,241.15	\$407,487.68	\$2,552,159.68	\$2,149,379.47	\$2,557,761.57	
3637	Ajuste del equipo de arrastre balde y articulacion		UND	1	\$3,521,436.00	\$669,072.84	\$4,190,508.84	\$2,014,394.40	\$382,734.94	\$2,397,129.34	\$2,701,479.00	\$513,281.01	\$3,214,760.01	\$2,745,769.80	\$3,267,466.06
3638	Ajuste del equipo delantero balde		UND	1	\$2,153,549.10	\$409,174.33	\$2,562,723.43	\$3,469,100.00	\$659,129.00	\$4,128,229.00	\$2,488,963.00	\$472,902.97	\$2,961,865.97	\$2,703,870.70	\$3,217,606.13
3639	Instalacion de cardan		UND	1	\$464,053.00	\$88,170.07	\$552,223.07	\$324,907.80	\$61,732.48	\$386,640.28	\$909,562.00	\$172,816.78	\$1,082,378.78	\$566,174.27	\$673,747.38
3640	Soldada de base de dientes y reforzada de base con lateral en platina de 1/2		UND	1	\$2,958,067.50	\$562,032.83	\$3,520,100.33	\$3,414,893.00	\$648,829.67	\$4,063,722.67	\$6,373,580.00	\$1,280,140.20	\$8,017,720.20	\$4,370,180.17	\$5,200,514.40
3641	Calibración inyector		UND	1	\$330,850.20	\$62,861.54	\$393,711.74	\$355,733.00	\$67,589.27	\$423,322.27	\$684,843.00	\$130,120.17	\$814,963.17	\$457,142.07	\$543,999.06
3642	ajuste y alineada		UND	1	\$1,160,879.00	\$220,567.01	\$1,381,446.01	\$996,379.20	\$189,312.05	\$1,185,691.25	\$1,160,525.00	\$220,499.75	\$1,381,024.75	\$1,105,927.73	\$1,316,054.00
3643	Desmontar instalar pesas de la trocha		UND	1	\$452,611.80	\$85,996.24	\$538,608.04	\$930,778.00	\$176,847.82	\$1,107,625.82	\$613,827.00	\$170,454.13	\$730,454.13	\$665,738.93	\$792,229.33
3644	lado)		UND	1	\$704,950.00	\$133,940.50	\$838,890.50	\$528,339.00	\$100,384.41	\$628,723.41	\$455,906.70	\$86,622.27	\$542,528.97	\$563,052.23	\$670,047.63
3645	Cambio filtro AK		UND	1	\$88,532.00	\$16,821.08	\$105,353.08	\$172,050.00	\$32,689.50	\$204,739.50	\$74,628.00	\$14,179.32	\$88,807.32	\$111,736.67	\$132,966.63
3646	Bajar rueda trasera y catarinas para cambio de sellos retenedores		UND	1	\$827,898.00	\$157,300.62	\$985,198.62	\$664,175.70	\$126,193.38	\$790,369.08	\$674,498.00	\$284,154.62	\$802,652.62	\$722,190.57	\$859,406.77
3647	balde trasero		UND	1	\$1,985,853.00	\$377,312.07	\$2,363,165.07	\$857,212.80	\$162,870.43	\$1,020,083.23	\$1,087,701.00	\$206,663.19	\$1,294,364.19	\$1,310,255.60	\$1,550,204.16
3648	Bujes del tunel que sujeta balde trasero		UND	1	\$960,919.00	\$182,574.61	\$1,143,493.61	\$609,678.00	\$115,838.82	\$725,516.82	\$430,335.60	\$81,763.76	\$512,099.36	\$666,977.53	\$793,703.26
3649	soldada de tapas		UND	1	\$1,134,055.00	\$215,470.45	\$1,349,525.45	\$2,172,287.00	\$412,734.53	\$2,585,021.53	\$1,066,624.80	\$202,658.71	\$1,269,283.51	\$1,457,655.60	\$1,734,610.16
3650	pintura pieza pequeña		UND	1	\$1,578,074.00	\$299,834.06	\$1,877,908.06	\$761,283.30	\$144,643.83	\$905,927.13	\$817,121.00	\$155,252.99	\$972,373.99	\$1,052,159.43	\$1,252,069.73
3651	pintura pieza grande		UND	1	\$1,009,138.00	\$191,736.22	\$1,200,874.22	\$710,544.00	\$135,003.36	\$845,547.36	\$611,448.30	\$116,175.18	\$727,623.48	\$777,043.43	\$924,681.69
3652	Pintura en pieza de la H		UND	1	\$428,674.20	\$81,448.10	\$510,122.30	\$918,060.00	\$174,431.40	\$1,092,491.40	\$490,392.00	\$93,174.48	\$583,566.48	\$612,375.40	\$728,726.73
3653	Cambio pasador spool del control		UND	1	\$514,120.20	\$97,682.84	\$611,803.04	\$534,793.00	\$101,610.67	\$636,403.67	\$785,034.00	\$149,156.46	\$934,190.46	\$611,315.73	\$727,465.72
3654	Intalacion de controles hidraulicos del stick y de estabilizador		UND	1	\$774,962.00	\$147,242.78	\$922,204.78	\$434,226.60	\$82,503.05	\$516,729.65	\$481,787.00	\$91,539.53	\$573,326.53	\$563,658.53	\$670,753.65
3655	Desmonatar y montar bomba hidraulica principal para su repacion general		UND	1	\$3,926,825.00	\$746,096.75	\$4,672,921.75	\$7,740,945.00	\$1,470,779.55	\$9,211,724.55	\$2,928,086.70	\$556,336.47	\$3,484,423.17	\$4,865,285.57	\$5,789,689.82
3656	cambio de empaquetadura		UND	1	\$4,075,797.00	\$774,401.43	\$4,850,198.43	\$4,278,501.00	\$812,915.19	\$5,091,416.19	\$3,100,200.30	\$589,038.06	\$3,689,238.36	\$3,818,166.10	\$4,543,617.66
3657	cambio de empaquetadura		UND	1	\$6,679,897.00	\$1,269,180.43	\$7,949,077.43	\$6,212,147.40	\$1,180,308.01	\$7,392,455.41	\$6,977,590.00	\$1,325,742.10	\$8,303,332.10	\$6,623,211.47	\$7,881,621.65
3658	empaquetaduras (un lado)		UND	1	\$4,515,417.00	\$857,929.23	\$5,373,346.23	\$6,010,840.00	\$1,142,059.60	\$7,152,899.60	\$5,757,989.00	\$1,094,017.91	\$6,852,006.91	\$5,428,082.00	\$6,459,417.58
3659	Revision y mantenimiento de las valvulas de alivio		UND	1	\$575,029.35	\$109,255.58	\$684,284.93	\$1,117,088.00	\$212,246.72	\$1,329,334.72	\$687,757.00	\$130,673.83	\$818,430.83	\$793,291.45	\$944,016.83
3660	Mantenimiento bomba hidraulica principal		UND	1	\$4,531,759.65	\$861,034.33	\$5,392,793.98	\$7,056,367.00	\$1,340,709.73	\$8,397,076.73	\$4,794,226.00	\$910,902.94	\$5,705,128.94	\$5,460,784.22	\$6,498,333.22
3661	Calibrar bomba hidraulica y los dos bancos de valvulas		UND	1	\$7,090,895.70	\$1,347,270.18	\$8,438,165.88	\$15,797,540.00	\$3,001,532.60	\$18,799,072.60	\$8,093,942.00	\$1,537,848.98	\$9,631,790.98	\$10,327,459.23	\$12,289,676.49
3662	Corte de pasadores con oxicorte y postura de dientes nuevos		UND	1	\$5,904,965.00	\$1,121,943.35	\$7,026,908.35	\$2,534,505.30	\$481,556.01	\$3,016,061.31	\$3,199,367.00	\$607,879.73	\$3,807,246.73	\$3,879,612.43	\$4,616,738.80
3663	Cambio de conector de inducido de arranque		UND	1	\$547,717.00	\$104,066.23	\$651,783.23	\$723,078.00	\$137,394.82	\$860,462.82	\$471,655.35	\$561,269.87	\$580,816.78	\$691,171.97	
3664	Cambio mangueras cilindros estabilizadores		UND	1	\$623,189.00	\$118,405.91	\$741,594.91	\$396,748.35	\$75,382.19	\$472,130.54	\$569,386.00	\$108,183.34	\$677,569.34	\$529,774.45	\$630,431.60
3665	Cambio empaquetaduras y enfriador de aceite motor		UND	1	\$964,168.20	\$183,191.96	\$1,147,360.16	\$1,097,293.00	\$208,485.67	\$1,305,778.67	\$1,804,324.00	\$342,821.56	\$2,147,145.56	\$1,288,595.07	\$1,533,428.13
3666	combustible, filtros AK y gato timon		GLOBAL	1	\$4,520,159.00	\$858,830.21	\$5,378,989.21	\$3,458,687.40	\$657,150.61	\$4,115,838.01	\$4,496,271.00	\$854,291.49	\$5,350,562.49	\$4,158,372.47	\$4,948,463.24
3667	Remocion e instalacion soporte gato del balde delantero		UND	1	\$585,810.00	\$111,303.90	\$697,113.90	\$1,047,852.00	\$199,091.88	\$1,246,943.88	\$606,178.00	\$115,173.82	\$721,351.82	\$746,613.33	\$888,469.87
3668	Cambio de tubo estabilizador		UND	1	\$533,062.35	\$101,281.85	\$634,344.20	\$727,707.00	\$138,264.33	\$865,971.33	\$853,153.00	\$162,099.07	\$1,015,252.07	\$704,640.78	\$838,522.53
3669	Reconstruccion y metalizada pasador superior sillin		UND	1	\$1,089,585.90	\$207,021.32	\$1,296,607.22	\$1,542,244.00	\$293,026.36	\$1,835,270.36	\$1,698,780.00	\$322,768.20	\$2,021,548.20	\$1,443,536.63	\$1,717,808.59
3670	Reconstruccion y metalizada pasador inferior sillin		UND	1	\$1,130,502.15	\$214,795.41	\$1,345,297.56	\$1,755,623.00	\$337,368.37	\$2,112,991.37	\$1,326,999.00	\$252,129.81	\$1,579,128.81	\$1,411,041.38	\$1,679,139.25
3671	Bajar equipo trasero para cambio de bujes pasadores y ajuste		UND	1	\$3,323,434.00	\$631,452.46	\$3,954,886.46	\$2,604,249.90	\$494,807.48	\$3,099,057.38	\$2,841,519.00	\$539,888.61	\$3,381,407.61	\$2,923,067.63	\$3,478,450.48
3672	Desmontar el equipo delantero para cambio de bujes y pasadores		UND	1	\$2,724,812.00	\$517,714.28	\$3,242,526.28	\$2,502,416.70	\$475,459.17	\$2,977,875.87	\$4,455,456.00	\$846,536.64	\$5,301,992.64	\$3,227,561.57	\$3,840,798.26
3673	bujes		UND	1	\$2,297,979.00	\$436,616.01	\$2,734,595.01	\$5,970,524.00	\$1,134,399.56	\$7,104,923.56	\$3,400,893.00	\$646,169.67	\$4,047,062.67	\$3,889,798.67	\$4,628,860.41
3674	Desmontar valvula de presion de la bomba de inyeccion para mantenimiento		UND	1	\$2,359,323.00	\$448,271.37	\$2,807,594.37	\$1,119,220.20	\$212,651.84	\$1,331,8,					

ITEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION														
3682	Filtro de aceite ORIGINAL 48138563		UND	1	\$483,664.00	\$91,896.16	\$575,560.16	\$330,303.30	\$62,757.63	\$393,060.93	\$870,917.00	\$165,474.23	\$1,036,391.23	\$561,628.10	\$668,337.44
3683	Filtro de combustible ORIGINAL 84565926		UND	1	\$500,010.00	\$95,001.90	\$595,011.90	\$766,180.00	\$145,574.20	\$911,754.20	\$164,126.00	\$116,683.94	\$730,809.94	\$626,772.00	\$745,858.68
3684	Filtro de combustible ORIGINAL 84534796		UND	1	\$1,017,457.00	\$193,316.83	\$1,210,773.83	\$760,077.00	\$144,414.63	\$904,491.63	\$540,333.00	\$102,663.27	\$642,996.27	\$772,622.33	\$919,420.58
3685	Filtro Separador ORIGINAL P552010		UND	1	\$165,900.00	\$31,521.00	\$197,421.00	\$293,208.00	\$55,709.52	\$348,917.52	\$210,035.00	\$39,906.65	\$249,941.65	\$223,047.67	\$265,426.72
3686	Filtro sistema UREA 47748585		UND	1	\$1,809,178.00	\$343,743.82	\$2,152,921.82	\$800,010.00	\$152,001.90	\$952,011.90	\$1,031,897.00	\$196,060.43	\$1,227,957.43	\$1,213,695.00	\$1,444,297.05
3687	Filtro hidraulico ORIGINAL		UND	1	\$1,004,668.00	\$190,886.92	\$1,195,554.92	\$610,520.00	\$115,998.80	\$726,518.80	\$884,768.00	\$168,105.92	\$1,052,873.92	\$833,318.67	\$991,649.21
3688	Filtro servo transmisión ORIGINAL		UND	1	\$861,173.00	\$163,622.87	\$1,024,795.87	\$681,932.00	\$129,567.08	\$811,499.08	\$646,608.60	\$122,855.63	\$769,464.23	\$729,904.53	\$868,586.39
3689	Indicador filtro aire		UND	1	\$824,059.00	\$156,571.21	\$980,630.21	\$441,658.00	\$83,915.02	\$525,573.02	\$358,105.50	\$68,040.05	\$426,145.55	\$541,274.17	\$644,116.26
3690	Tarro completo filtro de aire		UND	1	\$369,616.80	\$70,227.19	\$439,843.99	\$552,756.00	\$105,023.64	\$657,779.64	\$928,735.00	\$176,459.65	\$1,105,194.65	\$617,035.93	\$734,272.76
3691	Base filtro combustible		UND	1	\$631,560.00	\$119,996.40	\$751,556.40	\$857,612.00	\$162,946.28	\$1,020,558.28	\$565,623.30	\$107,468.43	\$673,091.73	\$684,931.77	\$815,068.80
3692	Cilindro de dirección con terminal		UND	1	\$10,930,020.00	\$2,076,703.80	\$13,006,723.80	\$5,030,448.30	\$955,785.18	\$5,986,233.48	\$6,039,906.00	\$1,147,582.14	\$7,187,488.14	\$7,333,458.10	\$8,726,815.14
3693	Empaquetadura cilindro hidraulico boom		UND	1	\$1,695,602.00	\$322,164.38	\$2,017,766.38	\$1,351,598.00	\$256,803.62	\$1,608,401.62	\$1,131,161.85	\$214,920.75	\$1,346,082.60	\$1,392,787.28	\$1,657,416.87
3694	Empaquetadura cilindro hidraulico arrastre (stick)		UND	1	\$985,889.00	\$187,318.91	\$1,173,207.91	\$1,644,106.00	\$312,380.14	\$1,956,486.14	\$940,256.55	\$178,648.74	\$1,118,905.29	\$1,190,083.85	\$1,416,199.78
3695	Empaquetadura cilindro hidraulico giro balde		UND	1	\$3,778,308.00	\$717,878.52	\$4,496,186.52	\$1,945,451.00	\$369,635.69	\$2,315,086.69	\$1,367,396.10	\$259,805.26	\$1,627,201.36	\$2,363,718.37	\$2,812,824.86
3696	Empaquetadura cilindro hidraulico giro pala		UND	1	\$1,298,928.15	\$246,796.35	\$1,545,724.50	\$1,812,861.00	\$344,443.59	\$2,157,304.59	\$3,155,530.00	\$599,550.70	\$3,755,080.70	\$2,089,106.38	\$2,486,036.60
3697	Empaquetadura cilindro hidraulico elevacion pala		UND	1	\$1,843,538.00	\$350,272.22	\$2,193,810.22	\$1,240,650.00	\$235,723.50	\$1,476,373.50	\$3,635,907.00	\$690,822.33	\$4,326,729.33	\$2,240,031.67	\$2,665,637.68
3698	Empaquetadura cilindro hidraulico estabilizadora		UND	1	\$1,242,421.20	\$236,060.03	\$1,478,481.23	\$1,851,614.00	\$351,806.66	\$2,203,420.66	\$1,871,059.00	\$355,501.21	\$2,226,560.21	\$1,655,031.40	\$1,969,487.37
3699	Empaquetadura cilindro hidraulico movimiento lateral boom (gemelos)		UND	1	\$2,118,938.00	\$402,598.22	\$2,521,536.22	\$1,902,676.00	\$361,508.44	\$2,264,184.44	\$1,435,068.45	\$272,663.01	\$1,707,731.46	\$1,818,894.15	\$2,164,484.04
3700	Empaquetadura cilindro hidraulico de dirección		UND	1	\$2,541,615.00	\$482,906.85	\$3,024,521.85	\$1,333,936.80	\$253,447.99	\$1,587,384.79	\$1,571,622.00	\$298,608.18	\$1,870,230.18	\$1,815,724.60	\$2,160,712.27
3701	Barra cromada cilindro estabilizador		UND	1	\$4,908,610.35	\$932,635.97	\$5,841,246.32	\$10,002,066.00	\$1,900,392.54	\$11,902,458.54	\$6,093,664.00	\$1,157,796.16	\$7,251,460.16	\$7,001,446.78	\$8,331,721.67
3702	Pistón		UND	1	\$4,466,037.00	\$848,547.03	\$5,314,584.03	\$5,585,402.00	\$1,061,226.38	\$6,646,628.38	\$2,998,332.00	\$569,683.08	\$3,568,015.08	\$5,176,409.16	\$6,049,923.67
3703	Juego de anillos		JUEGO	1	\$3,829,820.00	\$727,665.80	\$4,557,485.80	\$4,262,914.00	\$809,953.66	\$5,072,867.66	\$3,109,434.75	\$590,792.60	\$3,700,227.35	\$3,734,056.25	\$4,443,526.94
3704	Guías válvulas		UND	1	\$1,589,159.00	\$301,940.21	\$1,891,099.21	\$1,786,490.00	\$339,433.00	\$2,125,923.00	\$1,156,063.95	\$219,652.15	\$1,375,716.10	\$1,510,570.98	\$1,797,579.47
3705	Bujes de levas		UND	1	\$1,188,440.00	\$225,803.60	\$1,414,243.60	\$666,877.00	\$126,706.63	\$793,583.63	\$566,777.40	\$107,687.71	\$674,465.11	\$807,364.80	\$960,764.11
3706	Válvula admisión		UND	1	\$847,552.20	\$161,034.92	\$1,008,587.12	\$1,133,796.00	\$215,421.24	\$1,349,217.24	\$1,169,605.00	\$222,224.95	\$1,391,829.95	\$1,050,317.73	\$1,249,878.10
3707	Válvula de escape		UND	1	\$1,592,965.00	\$302,663.35	\$1,895,628.35	\$1,315,291.00	\$249,905.29	\$1,565,196.29	\$914,168.40	\$173,692.00	\$1,087,860.40	\$1,274,141.47	\$1,516,228.35
3708	Asientos válvulas admisión		UND	1	\$510,668.70	\$97,027.05	\$607,695.75	\$1,234,344.00	\$234,525.36	\$1,468,869.36	\$659,720.00	\$125,346.80	\$785,066.80	\$801,577.57	\$953,877.30
3709	Asientos válvulas Escape		UND	1	\$639,695.00	\$121,542.05	\$761,237.05	\$604,980.60	\$114,946.31	\$719,926.91	\$613,517.00	\$116,568.23	\$730,085.23	\$619,397.53	\$737,083.06
3710	Anillo pasador largo		UND	1	\$448,247.00	\$85,166.93	\$533,413.93	\$363,438.60	\$69,053.33	\$432,491.93	\$638,228.00	\$121,263.32	\$759,491.32	\$483,304.53	\$575,132.39
3711	Juego casquetes de biela 0.10		JUEGO	1	\$2,359,975.00	\$448,395.25	\$2,808,370.25	\$1,235,473.20	\$234,739.91	\$1,470,213.11	\$1,637,635.16	\$261,471.16	\$1,637,635.16	\$1,657,204.07	\$1,972,072.84
3712	Juego casquetes de bancada 0.10		JUEGO	1	\$3,960,514.00	\$752,497.66	\$4,713,011.66	\$1,523,272.95	\$289,421.86	\$1,812,694.81	\$2,120,737.00	\$402,940.03	\$2,523,677.03	\$2,534,841.32	\$3,016,461.17
3713	Aro de levas 433A		UND	1	\$441,418.00	\$83,869.42	\$525,287.42	\$698,905.00	\$132,791.95	\$831,696.95	\$130,279.95	\$58,953.19	\$890,650.14	\$483,534.32	\$575,405.84
3714	Guya freno de emergencia		UND	1	\$1,585,257.00	\$301,198.83	\$1,886,455.83	\$681,330.60	\$129,452.81	\$810,783.41	\$886,591.00	\$168,452.29	\$1,055,043.29	\$1,051,059.53	\$1,250,760.84
3715	Guaya control de freno de parqueo		UND	1	\$816,934.50	\$155,217.56	\$972,152.06	\$1,586,251.00	\$301,387.69	\$1,887,638.69	\$845,216.00	\$160,591.04	\$1,005,807.04	\$1,082,800.50	\$1,288,532.60
3716	Bomba de frenos		UND	1	\$4,823,079.00	\$916,385.01	\$5,739,464.01	\$7,950,207.00	\$1,510,539.33	\$9,460,746.33	\$3,281,965.20	\$623,573.39	\$3,905,538.59	\$5,351,750.40	\$6,368,582.98
3717	Disco separador frenos		UND	1	\$1,238,022.00	\$235,224.18	\$1,473,246.18	\$1,453,332.00	\$276,133.08	\$1,729,465.08	\$997,919.55	\$189,604.71	\$1,187,524.26	\$1,229,757.85	\$1,463,411.84
3718	Disco de fricción frenos		UND	1	\$1,051,117.00	\$199,712.23	\$1,250,829.23	\$1,498,863.00	\$284,783.97	\$1,783,646.97	\$793,543.05	\$150,773.18	\$944,316.23	\$1,114,507.68	\$1,326,264.14
3719	sellos frenos		UND	1	\$291,021.75	\$55,294.13	\$346,315.88	\$342,550.00	\$65,084.50	\$407,634.50	\$648,247.00	\$123,166.93	\$771,413.93	\$427,272.92	\$508,454.77
3720	sellos frenos		UND	1	\$590,027.00	\$112,105.13	\$702,132.13	\$347,671.80	\$66,057.64	\$413,729.44	\$493,317.00	\$93,730.23	\$587,047.23	\$477,005.27	\$567,636.27
3721	Juego pastillas freno emergencia		JUEGO	1	\$1,392,066.00	\$264,492.54	\$1,656,558.54	\$1,890,622.00	\$359,218.18	\$2,249,840.18	\$3,544,780.00	\$673,508.20	\$4,218,288.20	\$2,275,822.67	\$2,708,228.97
3722	Válvula de control bomba de pistones		UND	1	\$6,248,219.00	\$1,187,161.61	\$7,435,380.61	\$3,321,051.00	\$630,999.69	\$3,952,050.69	\$2,266,520.85	\$430,638.96	\$2,697,159.81	\$3,945,263.62	\$4,694,863.70
3723	Rodamiento externo speed diferencial trasero		UND	1	\$1,007,442.00	\$191,413.98	\$1,198,855.98	\$1,676,371.00	\$318,510.49	\$1,994,881.49	\$833,306.85	\$158,328.30	\$991,635.15	\$1,172,373.28	\$1,395,124.21
3724	Rodamiento interno speed diferencial trasero		UND	1	\$907,027.00	\$172,335.13	\$1,079,362.13	\$642,199.95	\$122,017.99	\$764,217.94	\$170,911.00	\$135,073.09	\$845,984.09	\$753,379.32	\$896,521.39
3725	Rodamiento lateral diferencial trasero		UND	1	\$792,400.05	\$150,556.01	\$942,956.06	\$1,860,858.00	\$353,563.02	\$2,214,421.02	\$1,016,605.00	\$193,154.95	\$1,209,759.95	\$1,223,287.68	\$1,455,712.34
3726	Rodamiento chanales		UND	1	\$1,915,544.00	\$363,953.36	\$2,279,497.36	\$1,216,263.60	\$231,090.08	\$1,447,353.68	\$1,462,874.00	\$277,946.06	\$1,740,820.06	\$1,531,560.53	\$1,822,557.03
3727	Rodamiento grandes ruedas delanteras		UND	1	\$1,693,578.00	\$321,779.82	\$2,015,357.82	\$821,970.00	\$156,174.30	\$978,144.30	\$1,080,529.00	\$205,300.51	\$1,285,829.51	\$1,198,692.33	\$1,426,443.88
3728	Rodamiento cubo rueda trasera		UND	1	\$567,658.00	\$107,855.02	\$675,513.02	\$558,620.10	\$106,137.82	\$664,757.92	\$1,051,765.00	\$199,835.35	\$1,251,600.35	\$726,014.37	\$863,957.10
3729	Sensor de temperatura de combustible		UND	1	\$2,531,975.00	\$481,075.25	\$3,013,050.25	\$1,472,695.00	\$279,812.05	\$1,752,507.05	\$1,093,260.15	\$207,719.43	\$1,300,979.58	\$1,699,310.05	\$2,022,178.96
3730	Interruptor de presion de aceite		UND	1	\$2,626,681.50	\$499,069.49	\$3,125,750.99	\$3,329,866.00	\$632,674.54	\$3,962,540.54	\$4,205,652.00	\$799,073.88	\$5,004,725.88	\$3,387,399.83	\$4,031,005.80
3731	Interupto master														

ITEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION														
3741	Empaque carter		UND	1	\$593,571.60	\$112,778.60	\$706,350.20	\$957,851.00	\$181,991.69	\$1,139,842.69	\$648,484.00	\$123,211.96	\$771,695.96	\$733,302.20	\$872,629.62
3742	Empaque enfriador aceite de motor		UND	1	\$2,286,480.00	\$434,431.20	\$2,720,911.20	\$1,412,063.00	\$268,291.97	\$1,680,354.97	\$1,154,782.35	\$219,408.65	\$1,374,191.00	\$1,617,775.12	\$1,925,152.39
3743	Carcaza volante motor (flywheel)		UND	1	\$11,557,526.00	\$2,195,929.94	\$13,753,455.94	\$10,147,506.30	\$1,928,026.20	\$12,075,532.50	\$14,166,578.00	\$2,691,649.82	\$16,858,227.82	\$11,957,203.43	\$14,229,072.09
3744	Empaque tapa de distribucion motor		UND	1	\$1,567,294.00	\$297,785.86	\$1,865,079.86	\$1,981,279.00	\$376,443.01	\$2,357,722.01	\$1,509,346.80	\$286,775.89	\$1,796,122.69	\$1,685,973.27	\$2,006,308.19
3745	Cremallera volante motor		UND	1	\$1,823,237.00	\$346,415.03	\$2,169,652.03	\$1,531,707.75	\$291,024.47	\$1,822,732.22	\$2,460,825.00	\$467,556.75	\$2,928,381.75	\$1,938,589.92	\$2,306,922.00
3746	Kit de reparacion bomba hidraulica de pistones		UND	1	\$6,992,950.05	\$1,328,660.51	\$8,321,610.56	\$16,922,637.00	\$3,215,301.03	\$20,137,938.03	\$8,658,393.00	\$1,645,094.67	\$10,303,487.67	\$10,857,993.35	\$12,921,012.09
3747	Kit empaquetadura banco de valvulas delantero		UND	1	\$4,230,065.25	\$803,712.40	\$5,033,777.65	\$7,314,601.00	\$1,389,774.19	\$8,704,375.19	\$5,238,869.00	\$995,385.11	\$6,234,254.11	\$5,594,511.75	\$6,657,468.98
3748	Kit empaquetadura orbitrol		UND	1	\$1,321,168.50	\$251,022.02	\$1,572,190.52	\$2,824,480.00	\$536,651.20	\$3,361,131.20	\$1,943,358.00	\$369,238.02	\$2,312,596.02	\$2,029,668.83	\$2,415,305.91
3749	Orbitrol		UND	1	\$5,399,046.00	\$1,025,818.74	\$6,424,864.74	\$9,362,656.00	\$1,778,904.64	\$11,141,560.64	\$5,308,984.35	\$1,008,707.03	\$6,317,691.38	\$6,690,228.78	\$7,961,372.25
3750	Solenoide traba diferencial		UND	1	\$1,503,208.00	\$285,609.52	\$1,788,817.52	\$1,028,252.70	\$195,368.01	\$1,223,620.71	\$2,304,196.00	\$437,797.24	\$2,741,993.24	\$1,611,885.57	\$1,918,143.82
3751	Empaquetadura servotransmision completo		UND	1	\$19,947,284.00	\$3,789,983.96	\$23,737,267.96	\$10,056,137.85	\$1,910,666.19	\$11,966,804.04	\$13,484,173.00	\$2,561,992.87	\$16,046,165.87	\$14,495,864.95	\$17,250,079.29
3752	Retenedor interno rueda trasera		UND	1	\$934,501.00	\$177,555.19	\$1,112,056.19	\$416,866.05	\$79,204.55	\$496,070.60	\$615,030.00	\$116,855.70	\$731,885.70	\$655,465.68	\$780,004.16
3753	Buje rueda delantera		UND	1	\$550,449.45	\$104,585.40	\$655,034.85	\$1,221,802.00	\$232,142.38	\$1,453,944.38	\$651,859.00	\$123,853.21	\$775,712.21	\$808,036.82	\$961,563.81
3754	Retenedor rueda delantera		UND	1	\$332,499.15	\$63,174.84	\$395,673.99	\$412,310.00	\$78,338.90	\$490,648.90	\$602,261.00	\$114,429.59	\$716,690.59	\$449,023.38	\$534,337.83
3755	Retenedor rueda trasera		UND	1	\$705,943.80	\$134,129.32	\$840,073.12	\$854,321.00	\$162,320.99	\$1,016,641.99	\$1,238,824.00	\$235,376.56	\$1,474,200.56	\$933,029.60	\$1,110,305.22
3756	oring diferencial delantero		UND	1	\$224,346.00	\$42,625.74	\$266,971.74	\$119,379.00	\$22,682.01	\$142,061.01	\$104,354.55	\$19,827.36	\$124,181.91	\$149,359.85	\$177,738.22
3757	Retenedor sello diferencial delantero		UND	1	\$324,063.00	\$61,571.97	\$385,634.97	\$401,877.00	\$76,356.63	\$478,233.63	\$467,055.00	\$88,740.45	\$555,795.45	\$397,665.00	\$473,221.35
3758	Perno rueda trasera		UND	1	\$342,031.00	\$64,985.89	\$407,016.89	\$240,341.40	\$45,664.87	\$286,006.27	\$528,836.00	\$100,478.84	\$629,314.84	\$370,402.80	\$440,779.33
3759	Perno rueda delantera		UND	1	\$526,004.00	\$99,940.76	\$625,944.76	\$210,288.60	\$39,954.83	\$250,243.43	\$297,875.00	\$56,596.25	\$354,471.25	\$344,722.53	\$410,219.81
3760	Tubo de superior de lubricacion turbo		UND	1	\$812,119.00	\$154,302.61	\$966,421.61	\$561,915.90	\$106,764.02	\$668,679.92	\$1,469,980.00	\$279,296.20	\$1,749,276.20	\$948,004.97	\$1,128,125.91
3761	Tubo de inferior de lubricacion turbo		UND	1	\$467,469.45	\$88,819.20	\$556,288.65	\$571,189.00	\$108,525.91	\$679,714.91	\$722,610.00	\$137,295.90	\$859,905.90	\$587,089.48	\$698,636.49
3762	Silenciador		UND	1	\$5,815,854.00	\$1,105,012.26	\$6,920,866.26	\$3,577,309.00	\$679,688.71	\$4,256,997.71	\$2,670,772.05	\$507,446.69	\$3,178,218.74	\$4,021,311.68	\$4,785,360.90
3763	Exosto		UND	1	\$8,484,617.00	\$1,612,077.23	\$10,096,694.23	\$6,404,467.00	\$1,216,848.73	\$7,621,315.73	\$5,126,397.75	\$974,015.57	\$6,100,413.32	\$6,671,827.25	\$7,939,474.43
3764	Enfocador radiador		UND	1	\$1,067,161.05	\$202,760.60	\$1,269,921.65	\$1,486,713.00	\$282,475.47	\$1,769,188.47	\$2,889,817.00	\$549,065.23	\$3,438,882.23	\$1,814,563.68	\$2,159,330.78
3765	Radiador aceite hidraulico		UND	1	\$13,204,162.00	\$2,508,790.78	\$15,712,952.78	\$7,503,937.00	\$1,425,748.03	\$8,929,685.03	\$6,270,071.85	\$1,191,313.65	\$7,461,385.50	\$8,992,723.62	\$10,701,341.10
3766	Radiador de aceite transmision		UND	1	\$5,528,274.30	\$1,050,372.12	\$6,578,646.42	\$6,565,981.00	\$1,247,536.39	\$7,813,517.39	\$7,292,130.00	\$1,385,504.70	\$8,677,634.70	\$7,689,932.84	\$9,233,841.54
3767	Empaque turbo		UND	1	\$4,035,409.20	\$766,727.75	\$4,802,136.95	\$8,388,384.00	\$1,593,792.96	\$9,982,176.96	\$4,359,080.00	\$828,225.20	\$5,187,305.20	\$5,594,291.07	\$6,657,206.37
3768	Polea loca		UND	1	\$1,372,833.00	\$260,838.27	\$1,633,671.27	\$550,336.50	\$104,563.93	\$654,900.43	\$687,132.00	\$130,555.08	\$817,687.08	\$870,100.50	\$1,035,419.59
3769	Tensor de correa		UND	1	\$670,536.45	\$127,401.93	\$797,938.38	\$858,294.00	\$163,075.86	\$1,021,369.86	\$1,033,858.00	\$196,433.02	\$1,230,291.02	\$854,229.48	\$1,016,533.09
3770	Ventilador		UND	1	\$1,418,828.00	\$269,577.32	\$1,688,405.32	\$1,668,094.00	\$316,937.86	\$1,985,031.86	\$1,222,233.75	\$232,224.41	\$1,454,458.16	\$1,436,385.25	\$1,709,298.45
3771	Culata		UND	1	\$23,139,489.00	\$4,396,502.91	\$27,535,991.91	\$22,733,888.00	\$4,319,438.72	\$27,053,326.72	\$18,642,512.25	\$3,542,077.33	\$22,184,589.58	\$21,505,296.42	\$25,591,302.74
3772	ESTABILIZADORAS)		UND	1	\$2,798,453.00	\$531,706.07	\$3,330,159.07	\$2,545,642.35	\$483,672.05	\$3,029,314.40	\$3,129,966.00	\$768,719.67	\$4,814,612.67	\$3,129,966.12	\$3,724,695.38
3773	BALDE		UND	1	\$67,244,699.00	\$12,776,492.81	\$80,021,191.81	\$40,188,422.00	\$7,635,800.18	\$47,824,222.18	\$29,203,425.90	\$5,548,850.92	\$34,752,076.82	\$45,545,515.63	\$54,199,163.60
3774	TAPA TANQUE EXPANCION		UND	1	\$7,382,097.00	\$1,402,598.43	\$8,784,695.43	\$3,454,835.40	\$656,418.73	\$4,111,254.13	\$4,051,040.00	\$769,697.60	\$4,820,737.60	\$4,962,657.47	\$5,905,562.39
3775	CRUCETA DELANTERA CARDAN		UND	1	\$434,548.35	\$82,564.19	\$517,112.54	\$483,375.00	\$91,841.25	\$575,216.25	\$440,194.00	\$83,636.86	\$523,830.86	\$452,705.78	\$538,719.88
3776	CRUCETA TRACERA CARDAN		UND	1	\$568,424.00	\$108,000.56	\$676,424.56	\$562,423.00	\$106,860.37	\$669,283.37	\$499,746.15	\$94,951.77	\$594,697.92	\$543,531.05	\$646,801.95
3777	RADIADOR DE AGUA		UND	1	\$16,228,381.00	\$3,083,392.39	\$19,311,773.39	\$9,570,636.00	\$1,818,420.84	\$11,389,056.84	\$8,126,164.35	\$1,543,971.23	\$9,670,135.58	\$11,308,393.78	\$13,456,988.60
3778	TERMOSTATO		UND	1	\$739,122.00	\$140,433.18	\$879,555.18	\$534,073.50	\$101,473.96	\$635,547.46	\$1,225,779.00	\$232,898.01	\$1,458,677.01	\$832,991.50	\$991,259.88
3779	Bomba de inyeccion		UND	1	\$32,239,350.00	\$6,125,476.50	\$38,364,826.50	\$57,990,036.00	\$11,018,106.84	\$69,008,142.84	\$23,627,024.55	\$4,489,134.66	\$28,116,159.21	\$37,952,136.85	\$45,163,042.85
3780	INYECTOR MOTOR		UND	1	\$3,332,359.35	\$633,148.28	\$3,965,507.63	\$4,746,497.00	\$901,834.43	\$5,648,331.43	\$5,639,517.00	\$1,071,508.23	\$6,711,025.23	\$4,572,791.12	\$5,441,621.43
3781	PLUMILLA LIMPIABRISAS DELANTERA		UND	1	\$245,265.75	\$46,600.49	\$291,866.24	\$295,934.00	\$56,227.46	\$352,161.46	\$365,718.00	\$69,486.42	\$435,204.42	\$302,305.92	\$359,744.04
3782	PLUMILLA LIMPIABRISAS TRASERAS		UND	1	\$349,459.00	\$66,397.21	\$415,856.21	\$467,223.00	\$88,772.37	\$555,995.37	\$235,917.00	\$44,824.23	\$280,741.23	\$350,866.33	\$417,530.94
3783	MOTOR DE ARRANQUE		UND	1	\$12,041,760.00	\$2,287,934.40	\$14,329,694.40	\$4,299,034.95	\$816,816.64	\$5,115,851.59	\$6,201,296.00	\$1,178,246.24	\$7,379,542.24	\$7,514,030.32	\$8,941,696.08
3784	Empaque bomba de agua		UND	1	\$615,543.75	\$116,953.31	\$732,497.06	\$760,858.00	\$144,563.02	\$905,421.02	\$1,161,815.00	\$220,744.85	\$1,382,559.85	\$846,072.25	\$1,006,825.98
3785	BOMBA DE AGUA		UND	1	\$4,775,456.00	\$907,336.64	\$5,682,792.64	\$4,788,556.00	\$909,825.64	\$5,698,381.64	\$3,438,658.80	\$653,345.17	\$4,092,003.97	\$4,234,223.60	\$5,157,726.08
3786	Pasador y reten diente 2111238/39		UND	1	\$550,198.35	\$104,537.69	\$654,736.04	\$652,041.00	\$123,887.79	\$775,928.79	\$1,005,635.00	\$191,070.65	\$1,196,705.65	\$735,958.12	\$875,790.16
3787	Dientes balde 2085235		UND	1	\$496,431.45	\$94,321.98	\$590,753.43	\$582,789.00	\$110,729.91	\$693,518.91	\$1,045,122.00	\$198,573.18	\$1,243,695.18	\$708,114.15	\$842,655.84
3788	Lantas delanteras 12.5 x 18 (16 lonas)		UND	1	\$10,161,759.00	\$1,930,734.21	\$12,092,493.21	\$5,575,305.00	\$1,059,307.95	\$6,634,612.95	\$5,490,830.00	\$1,043,257.70	\$6,534,087.70	\$7,075,964.67	\$8,420,397.95
3789	Neumáticos 12.5 x 18		UND	1	\$261,541.00	\$49,692.79	\$311,233.79	\$319,829.00	\$60,729.51	\$380,558.51	\$216,451.00	\$41,125.69	\$257,		

ITEM	MOTONIVELADORA CATERPILLAR 120 K	UNIDAD	CANTIDAD	GRUPO ROBOYO S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION													
3800	Manguera hidraulica con acoples R2 3/8 x 55cm	UND	1	\$698,552.10	\$132,724.90	\$831,277.00	\$1,504,928.00	\$285,936.32	\$1,790,864.32	\$980,561.00	\$186,306.59	\$1,166,867.59	\$1,061,347.03	\$1,263,002.97
3801	Manguera hidraulica con acoples R12 X 2.50 MTS	UND	1	\$765,366.75	\$145,419.68	\$910,786.43	\$2,127,052.00	\$404,139.88	\$2,531,191.88	\$1,115,956.00	\$221,031.64	\$1,327,987.64	\$1,336,124.92	\$1,589,988.65
3802	Manguera hidraulica con acoples R2 3/8 X 1.30 MTS	UND	1	\$1,855,250.00	\$352,497.50	\$2,207,747.50	\$1,259,741.00	\$239,350.79	\$1,499,091.79	\$1,166,232.15	\$221,584.11	\$1,387,816.26	\$1,427,074.38	\$1,698,218.52
3803	Mangueras hidraulicas 3/8 x0.62 mts con machos especiales	UND	1	\$586,710.90	\$111,475.07	\$698,185.97	\$753,155.00	\$143,099.45	\$896,254.45	\$673,923.00	\$128,045.37	\$801,968.37	\$671,262.97	\$798,802.93
3804	Manguera hidraulica 13/32 x 1 mts con acoples	UND	1	\$752,694.75	\$143,012.00	\$895,706.75	\$2,026,565.00	\$385,047.35	\$2,411,612.35	\$1,086,447.00	\$206,424.93	\$1,292,871.93	\$1,288,568.92	\$1,533,397.01
3805	Manguera hidraulica 3/8 x 2.83 mts	UND	1	\$2,359,948.00	\$448,390.12	\$2,808,338.12	\$1,010,317.05	\$191,960.24	\$1,202,277.29	\$1,510,517.00	\$286,998.23	\$1,797,515.23	\$1,626,927.35	\$1,936,043.55
3806	Manguera hidraulica 5/8 x 6000 psi x 1.60 mts	UND	1	\$2,104,588.00	\$399,871.72	\$2,504,459.72	\$3,938,835.00	\$748,378.65	\$4,687,213.65	\$1,523,218.50	\$289,411.52	\$1,812,630.02	\$2,522,213.83	\$3,001,434.46
3807	Manguera hidraulica 1/2 x 6000 psi x 2.95 mts	UND	1	\$2,642,510.00	\$502,076.90	\$3,144,586.90	\$1,915,131.00	\$363,874.89	\$2,279,005.89	\$1,312,504.20	\$249,375.80	\$1,561,880.00	\$1,956,715.07	\$2,328,490.93
3808	Manguera hidraulica 3/8 x 0.66 mts	UND	1	\$1,769,953.00	\$336,291.07	\$2,106,244.07	\$714,433.95	\$135,742.45	\$850,176.40	\$939,579.00	\$178,520.01	\$1,118,099.01	\$1,141,321.98	\$1,358,173.16
3809	Manguera hidraulica 1/2 x0.62 mts con acoples x 6000 PSI	UND	1	\$2,275,302.00	\$432,307.38	\$2,707,609.38	\$990,462.15	\$188,187.81	\$1,178,649.96	\$1,515,899.00	\$250,020.81	\$1,565,919.81	\$1,527,221.05	\$1,817,393.05
3810	Mangueras hidraulicas 1/2 x 0.90 mts con acoples x 6000psi	UND	1	\$1,233,483.00	\$234,361.77	\$1,467,844.77	\$917,847.90	\$174,391.10	\$1,092,239.00	\$939,803.00	\$178,562.57	\$1,118,365.57	\$1,030,377.97	\$1,226,149.78
3811	Manguera flexometalica 1/2 x 0.50 mts con acoples	UND	1	\$2,004,866.00	\$380,924.54	\$2,385,790.54	\$1,429,134.00	\$271,535.46	\$1,700,669.46	\$994,402.35	\$188,936.45	\$1,883,338.80	\$1,476,134.12	\$1,756,599.60
3812	Manguera hidraulica 1/2 x 6000psi x 2.95 mts con acoples	UND	1	\$1,328,922.00	\$252,495.18	\$1,581,417.18	\$997,432.00	\$189,512.08	\$1,186,944.08	\$1,406,224.00	\$267,182.56	\$1,673,406.56	\$1,244,192.67	\$1,480,589.27
3813	Manguera R6 3/4 X 1.75 MTS con acoples	UND	1	\$1,728,235.00	\$328,364.65	\$2,056,599.65	\$1,025,978.00	\$194,935.82	\$1,220,913.82	\$733,412.00	\$139,348.28	\$872,760.28	\$1,162,541.67	\$1,383,424.58
3814	Manguera 5/8 x 5000psi x 2mts con acoples	UND	1	\$1,130,987.00	\$214,887.53	\$1,345,874.53	\$1,055,862.00	\$200,613.78	\$1,256,475.78	\$912,377.70	\$173,351.76	\$1,085,729.46	\$1,033,075.57	\$1,229,359.92
3815	Manguera hidraulica 3/8 x 0.95 mts con acoples	UND	1	\$996,753.00	\$189,383.07	\$1,186,136.07	\$829,677.15	\$157,638.66	\$987,315.81	\$1,302,387.00	\$247,453.53	\$1,549,840.53	\$1,042,939.05	\$1,241,097.47
3816	Manguera hidraulica 1/2 x 4000 psi x2.75 mts con acoples	UND	1	\$1,791,298.00	\$340,346.62	\$2,131,644.62	\$1,177,104.00	\$223,649.76	\$1,400,753.76	\$1,133,521.20	\$215,369.03	\$1,348,890.23	\$1,367,307.73	\$1,627,096.20
3817	Manguera hidraulica 5/8 x 6000 psi x1.75 mts con acoples	UND	1	\$1,250,320.00	\$237,560.80	\$1,487,880.80	\$1,299,476.00	\$246,900.44	\$1,546,376.44	\$2,367,564.00	\$449,837.16	\$2,817,401.16	\$1,639,120.00	\$1,950,552.80
3818	Manguera 3 x 0.84 mts con acoples	UND	1	\$924,149.00	\$175,588.31	\$1,099,737.31	\$748,715.40	\$142,255.93	\$890,971.33	\$873,067.00	\$165,882.73	\$1,038,949.73	\$848,643.80	\$1,009,886.12
3819	Manguera de 1/2 x 1.10 mts con acoples	UND	1	\$1,445,488.00	\$274,642.72	\$1,720,130.72	\$1,040,761.80	\$197,744.74	\$1,238,506.54	\$2,698,434.00	\$512,702.46	\$3,211,136.46	\$1,728,227.93	\$2,056,591.24
3820	Mangueras hidraulica 5/8 x 6000 psi x1.75 mts con acoples	UND	1	\$2,603,989.00	\$494,757.91	\$3,098,746.91	\$1,274,345.10	\$242,125.57	\$1,516,470.67	\$1,571,624.00	\$298,608.56	\$1,870,232.56	\$1,816,652.70	\$2,161,816.71
3821	Manguera 3/4 x 6000 PSI X 1.45 mts con acoples	UND	1	\$2,373,416.00	\$450,949.04	\$2,824,365.04	\$1,210,520.00	\$229,998.80	\$1,440,518.80	\$1,556,145.00	\$295,667.55	\$1,851,812.55	\$1,713,360.33	\$2,038,898.80
3822	Vidrio puerta izquierda superior curvo	UND	1	\$1,361,568.60	\$258,698.03	\$1,620,266.63	\$2,024,886.00	\$384,728.34	\$2,409,614.34	\$2,556,825.00	\$485,796.75	\$3,042,621.75	\$1,981,093.20	\$2,357,500.91
3823	Vidrio panoramico superior	UND	1	\$1,371,771.00	\$260,636.49	\$1,632,407.49	\$1,473,012.00	\$279,872.28	\$1,752,884.28	\$1,647,526.00	\$313,029.94	\$1,960,555.94	\$1,497,436.33	\$1,781,949.24
3824	Vidrio puerta izquierda inferior	UND	1	\$2,896,188.00	\$550,275.72	\$3,446,463.72	\$1,362,783.60	\$258,928.88	\$1,621,712.48	\$1,479,601.00	\$281,124.19	\$1,760,725.19	\$1,912,857.53	\$2,276,300.46
3825	Vidrio trasero inferior curvo	UND	1	\$1,356,732.00	\$257,779.08	\$1,614,511.08	\$3,295,703.00	\$626,183.57	\$3,921,886.57	\$1,944,678.00	\$369,488.82	\$2,314,166.82	\$2,199,037.67	\$2,616,854.82
3826	Vidrio lateral superior derecho	UND	1	\$1,897,530.00	\$360,530.70	\$2,258,060.70	\$1,344,073.05	\$255,373.88	\$1,599,446.93	\$1,596,898.00	\$303,408.91	\$1,900,297.91	\$1,612,830.68	\$1,919,268.51
3827	Vidrio inferior puerta	UND	1	\$1,500,956.00	\$285,181.64	\$1,786,137.64	\$1,309,972.95	\$248,894.86	\$1,558,867.81	\$2,361,343.00	\$448,655.17	\$2,809,998.17	\$1,724,090.65	\$2,051,667.87
3828	Vidrio superior puerta	UND	1	\$1,705,202.00	\$323,988.38	\$2,029,190.38	\$1,165,924.80	\$221,525.71	\$1,387,450.51	\$1,945,262.00	\$369,599.78	\$2,314,861.78	\$1,605,462.93	\$1,910,500.89
3829	Vidrio lateral inferior trasero izquierdo	UND	1	\$2,849,882.00	\$541,477.58	\$3,391,359.58	\$1,495,613.00	\$284,166.47	\$1,779,779.47	\$1,340,280.00	\$254,653.20	\$1,594,933.20	\$1,895,258.33	\$2,255,357.42
3830	Cerrojo vidrio trasero	UND	1	\$1,255,626.00	\$328,568.94	\$1,494,194.94	\$1,420,662.00	\$269,925.78	\$1,690,587.78	\$942,493.05	\$179,073.65	\$1,121,566.73	\$1,206,260.35	\$1,435,449.82
3831	Cerrojo vidrio trasero	UND	1	\$2,070,495.00	\$393,394.05	\$2,463,889.05	\$1,209,425.00	\$229,790.75	\$1,439,215.75	\$988,692.75	\$170,751.62	\$1,069,444.37	\$1,392,870.92	\$1,657,516.39
3832	sello empaque vidrio	UND	1	\$2,353,647.00	\$447,192.93	\$2,800,839.93	\$1,191,636.00	\$226,410.84	\$1,418,046.84	\$838,449.90	\$159,305.48	\$997,755.38	\$1,461,244.30	\$1,738,880.72
3833	Cerrojo vidrio puerta derecha inferior	UND	1	\$883,594.35	\$167,882.93	\$1,051,477.28	\$2,288,724.00	\$434,857.56	\$2,723,581.56	\$1,162,214.00	\$220,820.66	\$1,383,034.66	\$1,444,844.12	\$1,719,364.50
3834	Cerrojo vidrio puerta derecha superior	UND	1	\$1,861,825.00	\$353,746.75	\$2,215,571.75	\$912,271.95	\$173,331.67	\$1,085,603.62	\$1,151,167.00	\$139,888.73	\$1,291,055.73	\$1,308,421.32	\$1,557,021.37
3835	Manija cierre vidrio delantero	UND	1	\$2,106,740.00	\$400,280.60	\$2,507,020.60	\$953,390.25	\$181,144.15	\$1,134,534.40	\$1,054,128.00	\$200,284.32	\$1,254,412.32	\$1,371,419.42	\$1,631,989.11
3836	Seguro de enganche para vidrio	UND	1	\$647,050.00	\$122,939.50	\$769,989.50	\$638,944.20	\$121,399.40	\$760,343.60	\$1,092,159.00	\$207,510.21	\$1,299,669.21	\$792,717.73	\$943,334.10
3837	Vidrio frontal inferior	UND	1	\$1,238,528.00	\$235,320.32	\$1,473,848.32	\$1,015,625.10	\$192,968.77	\$1,208,593.87	\$1,091,717.00	\$207,426.23	\$1,299,143.23	\$1,115,290.03	\$1,327,195.14
3838	Vidrio trasero inferior	UND	1	\$1,263,073.00	\$239,993.87	\$1,503,066.87	\$2,516,967.00	\$478,223.73	\$2,995,190.73	\$992,737.20	\$188,620.07	\$1,181,357.27	\$1,590,925.73	\$1,893,201.62
3839	Separador trasero vidrio trasero	UND	1	\$690,798.30	\$131,251.68	\$822,049.98	\$881,639.00	\$167,511.41	\$1,049,150.41	\$1,298,175.00	\$246,653.25	\$1,544,828.25	\$956,870.77	\$1,138,676.21
3840	Correas para ventilador	UND	1	\$148,998.00	\$28,309.62	\$177,307.62	\$288,046.00	\$54,728.74	\$342,774.74	\$140,103.90	\$26,619.74	\$166,723.64	\$192,382.63	\$228,935.33
3841	Baterías 31H 1200	UND	1	\$1,971,609.00	\$374,605.71	\$2,346,214.71	\$1,650,490.00	\$313,593.10	\$1,964,083.10	\$2,561,615.00	\$486,706.85	\$3,048,321.85	\$2,061,238.00	\$2,452,873.22
3842	Varilla medidora de aceite	UND	1	\$805,257.00	\$152,998.83	\$958,255.83	\$392,241.00	\$74,525.79	\$466,766.79	\$431,600.00	\$82,004.00	\$513,604.00	\$543,032.67	\$646,208.87
3843	Tapa para tanque combustible	UND	1	\$988,325.00	\$187,781.75	\$1,176,106.75	\$501,513.00	\$95,287.47	\$596,800.47	\$344,254.20	\$65,408.30	\$409,662.50	\$611,364.07	\$727,523.24
3844	Guardabarros	UND	1	\$4,311,445.00	\$819,174.55	\$5,130,619.55	\$5,401,345.20	\$570,255.59	\$3,571,600.79	\$5,401,721.00	\$1,026,			

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS		VR. UNITARIO SIN IVA			IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA
	DESCRIPCION															
3859	Pad ajuste strading		UND	1	\$882,456.00	\$167,666.64	\$1,050,122.64	\$1,181,782.00	\$224,538.58	\$1,406,320.58	\$1,671,699.00	\$317,622.81	\$1,989,321.81	\$1,245,312.33	\$1,481,921.68	
3860	Pad ajuste strading		UND	1	\$1,226,766.00	\$233,085.54	\$1,459,851.54	\$893,146.00	\$169,697.74	\$1,062,843.74	\$872,337.75	\$165,744.17	\$1,038,081.92	\$997,416.58	\$1,186,925.73	
3861	Catarina reductor		UND	1	\$9,480,540.75	\$1,801,302.74	\$11,281,843.49	\$12,283,821.00	\$2,333,925.99	\$14,617,746.99	\$13,592,442.00	\$2,582,563.98	\$16,175,005.98	\$11,785,601.25	\$14,024,865.49	
3862	Piñón reductor		UND	1	\$4,181,780.25	\$794,538.25	\$4,976,318.50	\$4,975,932.00	\$945,427.08	\$5,921,359.08	\$4,717,496.00	\$896,324.24	\$5,613,820.24	\$4,625,069.42	\$5,503,832.61	
3863	Retenedor grande reductor delantero		UND	1	\$928,707.75	\$176,454.47	\$1,105,162.22	\$1,646,646.00	\$312,862.74	\$1,959,508.74	\$1,261,494.00	\$239,683.86	\$1,501,177.86	\$1,278,949.25	\$1,521,949.61	
3864	Retenedor punta eje reductor delantero		UND	1	\$2,603,993.00	\$494,758.67	\$3,098,751.67	\$1,411,047.00	\$268,098.93	\$1,679,145.93	\$1,048,833.75	\$199,278.41	\$1,248,112.16	\$1,687,957.92	\$2,008,669.92	
3865	Oring grande rueda delantera		UND	1	\$215,995.50	\$41,039.15	\$257,034.65	\$266,898.00	\$50,710.62	\$317,608.62	\$292,953.00	\$55,661.07	\$348,614.07	\$258,615.50	\$307,752.45	
3866	Eje completo de la doble		UND	1	\$12,169,787.25	\$2,312,259.58	\$14,482,046.83	\$13,999,815.00	\$2,659,964.85	\$16,659,779.85	\$14,233,786.00	\$2,704,419.34	\$16,938,205.34	\$13,467,796.08	\$16,026,677.34	
3867	Retenedor chanela		UND	1	\$682,096.00	\$129,598.24	\$811,694.24	\$612,610.50	\$116,395.99	\$729,006.49	\$639,829.00	\$121,567.51	\$761,396.51	\$644,845.17	\$767,365.75	
3868	Chanelas ruedas delanteras		UND	1	\$2,354,361.00	\$447,328.59	\$2,801,689.59	\$2,087,062.50	\$396,541.88	\$2,483,604.38	\$2,909,118.00	\$552,732.42	\$3,461,850.42	\$2,450,180.50	\$2,915,714.80	
3869	Crucetas eje de la doble		UND	1	\$1,799,753.00	\$341,953.07	\$2,141,706.07	\$1,051,021.50	\$199,694.08	\$1,250,715.58	\$1,182,396.00	\$224,655.24	\$1,407,051.24	\$1,344,390.17	\$1,599,824.30	
3870	Crucetas del cardan		UND	1	\$1,145,283.00	\$217,603.77	\$1,362,886.77	\$1,036,591.50	\$196,952.39	\$1,233,543.89	\$1,953,356.00	\$371,137.64	\$2,324,493.64	\$1,378,410.17	\$1,640,308.10	
3871	Base diente cargador		UND	1	\$1,552,444.00	\$294,964.36	\$1,847,408.36	\$945,419.25	\$179,629.66	\$1,125,048.91	\$951,878.00	\$180,856.82	\$1,132,734.82	\$1,149,913.75	\$1,368,397.36	
3872	Esparragos ruedas delanteras		UND	1	\$281,074.00	\$53,404.06	\$334,478.06	\$207,786.75	\$39,479.48	\$247,266.23	\$520,018.00	\$98,803.42	\$618,821.42	\$336,292.92	\$400,188.57	
3873	Tuercas esparragos		UND	1	\$108,705.00	\$20,653.95	\$129,358.95	\$88,926.00	\$16,895.94	\$105,821.94	\$59,857.50	\$11,372.93	\$71,230.43	\$85,829.50	\$102,137.11	
3874	Bases para diente balde trasero		UND	1	\$977,611.00	\$185,746.09	\$1,163,357.09	\$1,097,262.00	\$208,479.78	\$1,305,741.78	\$938,591.25	\$178,332.34	\$1,116,923.59	\$1,004,488.08	\$1,195,340.82	
3875	Correa aire acondicionado		UND	1	\$334,388.25	\$63,533.77	\$397,922.02	\$454,847.00	\$86,420.93	\$541,267.93	\$552,881.00	\$105,047.39	\$657,928.39	\$447,372.08	\$532,372.78	
3876	Bomba de transferencia de combustible original		UND	1	\$6,996,232.50	\$1,329,284.18	\$8,325,516.68	\$10,549,002.00	\$2,004,310.38	\$12,553,312.38	\$7,039,867.00	\$1,337,574.73	\$8,377,441.73	\$8,195,033.83	\$9,752,090.26	
3877	Purificador combustible		UND	1	\$4,185,867.00	\$795,314.73	\$4,981,181.73	\$1,804,095.75	\$342,778.19	\$2,146,873.94	\$2,393,908.00	\$454,842.52	\$2,848,750.52	\$2,794,623.58	\$3,325,602.06	
3878	Válvula de segmentación		UND	1	\$1,339,400.25	\$254,486.05	\$1,593,886.30	\$1,631,356.00	\$309,957.64	\$1,941,313.64	\$1,700,079.00	\$323,015.01	\$2,023,094.01	\$1,556,945.08	\$1,852,764.65	
3879	Tubo sistema aire		UND	1	\$2,088,752.00	\$396,862.88	\$2,485,614.88	\$2,119,841.00	\$402,769.79	\$2,522,610.79	\$1,518,893.25	\$288,589.72	\$1,807,482.97	\$1,909,162.08	\$2,271,902.88	
3880	Acople silenciador		UND	1	\$496,821.75	\$94,396.13	\$591,217.88	\$700,183.00	\$133,034.77	\$833,217.77	\$1,294,058.00	\$425,871.02	\$1,539,929.02	\$830,354.25	\$988,121.56	
3881	tubos botella estabilizadora		UND	1	\$7,340,070.75	\$1,394,613.44	\$8,734,684.19	\$13,317,978.00	\$2,530,415.82	\$15,848,393.82	\$9,956,510.00	\$1,891,736.90	\$11,848,246.90	\$10,204,852.92	\$12,143,774.97	
3882	Tubo hidraulico		UND	1	\$2,596,377.00	\$493,311.63	\$3,089,688.63	\$2,741,548.00	\$520,894.12	\$3,262,442.12	\$2,552,219.25	\$484,921.66	\$3,037,140.91	\$2,630,048.08	\$3,129,757.22	
3883	Bobina control transmision		UND	1	\$6,727,495.00	\$1,278,224.05	\$8,005,719.05	\$6,024,889.00	\$1,144,728.91	\$7,169,617.91	\$5,029,885.50	\$955,678.25	\$5,985,563.75	\$5,927,423.17	\$7,053,633.57	
3884	Solenoides transmision		UND	1	\$5,622,248.25	\$1,068,227.17	\$6,690,475.42	\$11,103,227.00	\$2,109,613.13	\$13,212,840.13	\$7,228,395.00	\$1,373,395.05	\$8,601,790.05	\$7,984,623.42	\$9,501,701.87	
3885	grupo válvula de control transmision marcha y contramarcha		UND	1	\$12,711,230.25	\$2,415,133.75	\$15,126,364.00	\$18,094,202.00	\$3,437,898.38	\$21,532,100.38	\$21,730,751.00	\$4,128,842.69	\$26,859,593.69	\$17,512,061.08	\$20,839,352.69	
3886	Camisa motor		UND	1	\$18,180,796.00	\$3,454,351.24	\$21,635,147.24	\$9,171,694.00	\$1,742,621.86	\$10,914,315.86	\$7,514,018.25	\$1,427,663.47	\$8,941,681.72	\$11,622,169.42	\$13,830,381.61	
3887	Buje de biela		UND	1	\$1,218,275.25	\$231,472.30	\$1,449,747.55	\$1,266,248.00	\$240,587.12	\$1,506,835.12	\$2,365,334.00	\$449,413.46	\$2,814,747.46	\$1,616,619.08	\$1,923,776.71	
3888	Sello trasero cigüeñal		UND	1	\$1,530,944.00	\$290,879.36	\$1,821,823.36	\$1,608,599.00	\$305,633.81	\$1,914,232.81	\$1,143,654.75	\$217,294.40	\$1,360,949.15	\$1,427,732.58	\$1,699,001.77	
3889	Sello delantero cigüeñal		UND	1	\$2,911,992.00	\$553,278.48	\$3,465,270.48	\$1,149,558.75	\$218,416.16	\$1,367,974.91	\$1,592,326.00	\$302,541.94	\$1,894,867.94	\$1,884,625.58	\$2,242,704.44	
3890	Empaquetadura superior motor		UND	1	\$11,621,923.00	\$2,208,165.37	\$13,830,088.37	\$7,239,261.75	\$1,375,459.73	\$8,614,721.48	\$8,900,884.00	\$1,691,167.96	\$10,592,051.96	\$9,254,022.92	\$11,012,287.27	
3891	Empaquetadura inferior motor		UND	1	\$1,923,165.00	\$365,401.35	\$2,288,566.35	\$871,514.10	\$165,587.68	\$1,037,101.78	\$1,048,054.00	\$199,130.26	\$1,247,184.26	\$1,280,911.03	\$1,524,284.13	
3892	Guardabarros trasero izquierdo		UND	1	\$3,625,292.00	\$688,805.48	\$4,314,097.48	\$3,223,888.00	\$612,538.72	\$3,836,426.72	\$2,714,620.20	\$515,777.84	\$3,230,398.04	\$3,187,933.40	\$3,793,640.75	
3893	Tanque auxiliar radiador		UND	1	\$1,608,483.00	\$305,611.77	\$1,914,094.77	\$831,194.00	\$157,926.86	\$989,120.86	\$707,413.50	\$134,408.57	\$841,822.07	\$1,049,030.17	\$1,248,345.90	
3894	Empaque seguro		UND	1	\$320,639.70	\$60,921.54	\$381,561.24	\$559,233.00	\$106,254.27	\$665,487.27	\$384,613.00	\$73,076.47	\$457,689.47	\$421,495.23	\$501,579.33	
3895	Cerrojo ventana		UND	1	\$392,350.50	\$74,546.60	\$466,897.10	\$576,248.00	\$109,487.12	\$685,735.12	\$1,142,080.00	\$216,995.20	\$1,359,075.20	\$703,559.50	\$837,235.81	
3896	Llave master		UND	1	\$1,437,155.00	\$273,059.45	\$1,710,214.45	\$558,381.60	\$106,092.50	\$664,474.10	\$739,976.00	\$140,595.44	\$880,571.44	\$911,837.53	\$1,085,086.66	
3897	Neumaticos 12.5/80-18		UND	1	\$190,052.10	\$36,109.90	\$226,162.00	\$220,184.00	\$41,834.96	\$262,018.96	\$194,025.00	\$36,864.75	\$230,889.75	\$201,420.37	\$239,690.24	
3898	frame (sillin brazo trasero)		UND	1	\$791,487.00	\$150,382.53	\$941,869.53	\$686,170.20	\$130,372.34	\$816,542.54	\$698,401.00	\$132,696.19	\$831,097.19	\$725,352.73	\$863,169.75	
3899	Retenedor housing		UND	1	\$345,810.00	\$65,703.90	\$411,513.90	\$837,711.00	\$159,165.09	\$996,876.09	\$461,828.00	\$87,747.32	\$549,575.32	\$548,449.67	\$652,655.10	
3900	Buje superior chasis		UND	1	\$499,064.00	\$94,822.16	\$593,886.16	\$412,012.00	\$78,282.28	\$490,294.28	\$345,911.70	\$65,723.22	\$411,634.92	\$418,995.90	\$498,605.12	
3901	Pasador superior		UND	1	\$900,265.00	\$171,050.35	\$1,071,315.35	\$521,137.00	\$99,016.03	\$620,153.03	\$351,704.40	\$66,823.84	\$418,528.24	\$591,035.47	\$703,332.21	
3902	Buje boom		UND	1	\$504,459.30	\$95,847.27	\$600,306.57	\$693,764.00	\$131,815.16	\$825,579.16	\$878,584.00	\$166,930.96	\$1,045,514.96	\$692,269.10	\$823,800.23	
3903	Pines ejes		UND	1	\$29,778.00	\$5,657.82	\$35,435.82	\$23,694.00	\$4,501.86	\$28,195.86	\$26,306.00	\$4,998.14	\$31,304.14	\$26,592.67	\$31,645.27	
3904	Shim chanela		UND	1	\$892,206.00	\$169,519.14	\$1,061,725.14	\$472,905.60	\$89,852.06	\$562,757.66	\$486,392.00	\$92,414.48	\$578,806.48	\$617,167.87	\$734,429.76	
3905	Shim chanela		UND	1	\$873,682.00	\$165,999.58	\$1,039,681.58	\$583,274.00	\$110,822.06	\$694,096.06	\$483,633.60	\$91,890.38	\$575,523.98	\$646,863.20	\$769,767.21	
3906	Pasador gato boom		UND	1	\$764,775.00	\$145,307.25	\$910,082.25	\$687,931.00	\$130,706.89	\$818,637.89	\$466,316.70	\$88,600.17	\$554,916.87	\$639,674.23	\$761,212.34	
3907	Pasador sillín superior		UND	1	\$1,069,688.00	\$203,240.72	\$1,272,928.72	\$1,007,098.00	\$191,348.82	\$1,198,446.82	\$733,998.00	\$139,459.62	\$873,457.62	\$936,928.00	\$1,114,944.32	
3908	Buje boom chasis		UND	1	\$807,726.00	\$153,467.94	\$961,193.94	\$545,012.00	\$103,552.							

ITEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION														
3918	Arandela ajuste trocha		UND	1	\$58,873.00	\$11,185.87	\$70,058.87	\$35,368.20	\$6,719.96	\$42,088.16	\$47,868.00	\$9,094.92	\$56,962.92	\$47,369.73	\$56,369.98
3919	Pin pasador 1		UND	1	\$31,035.15	\$5,896.68	\$36,931.83	\$37,479.00	\$7,121.01	\$44,600.01	\$47,843.00	\$9,090.17	\$56,933.17	\$38,785.72	\$46,155.00
3920	Pin pasador 2		UND	1	\$37,659.00	\$7,155.21	\$44,814.21	\$28,318.05	\$5,380.43	\$33,698.48	\$59,677.00	\$11,338.63	\$71,015.63	\$41,884.68	\$49,842.77
3921	Pin pasador 3		UND	1	\$32,209.65	\$6,119.83	\$38,329.48	\$44,003.00	\$8,360.57	\$52,363.57	\$75,998.00	\$14,439.62	\$90,437.62	\$50,736.88	\$60,376.89
3922	Adaptadores pasamuro 11/16 Macho-Macho		UND	1	\$37,552.00	\$7,134.88	\$44,686.88	\$60,729.00	\$11,538.51	\$72,267.51	\$36,284.85	\$6,894.12	\$43,178.97	\$44,855.28	\$53,377.79
3923	Esparragos eje 5/8		UND	1	\$294,119.00	\$55,882.61	\$350,001.61	\$234,449.00	\$44,545.31	\$278,994.31	\$180,037.80	\$34,207.18	\$214,244.98	\$236,201.93	\$281,080.30
3924	Pasador balde		UND	1	\$832,953.60	\$158,261.18	\$991,214.78	\$1,148,283.00	\$218,173.77	\$1,366,456.77	\$1,043,024.00	\$198,174.56	\$1,241,198.56	\$1,008,086.87	\$1,199,623.37
3925	pasador botella balde		UND	1	\$1,327,389.00	\$252,203.91	\$1,579,592.91	\$1,478,952.00	\$281,000.88	\$1,759,952.88	\$903,793.05	\$171,720.68	\$1,075,513.73	\$1,236,711.35	\$1,471,686.51
3926	Bomper frontal radiador		UND	1	\$6,954,097.00	\$1,321,278.43	\$8,275,375.43	\$3,841,582.50	\$729,900.68	\$4,571,483.18	\$4,322,903.00	\$821,351.57	\$5,144,254.57	\$5,039,527.50	\$5,997,037.73
3927	Tubo petrolero de la "H" 1.20 MTS		UND	1	\$2,737,294.20	\$520,085.90	\$3,257,380.10	\$3,857,932.00	\$733,007.08	\$4,590,939.08	\$5,186,681.00	\$985,469.39	\$6,172,150.39	\$3,927,302.40	\$4,673,489.86
3928	Alternador 12V original		UND	1	\$4,225,673.70	\$802,878.00	\$5,028,551.70	\$6,021,179.00	\$1,144,024.01	\$7,165,203.01	\$9,233,978.00	\$1,754,455.82	\$10,988,433.82	\$6,493,610.23	\$7,727,396.18
3929	Direccional		UND	1	\$1,203,900.00	\$228,741.00	\$1,432,641.00	\$859,979.00	\$163,396.01	\$1,023,375.01	\$779,584.50	\$148,121.06	\$927,705.56	\$947,821.17	\$1,127,907.19
3930	Rociadores de motor		UND	1	\$930,253.95	\$176,748.25	\$1,107,002.20	\$1,005,422.00	\$191,030.18	\$1,196,452.18	\$1,022,977.00	\$194,365.63	\$1,217,342.63	\$986,217.65	\$1,173,599.00
3931	Sello pequeño rueda trasera		UND	1	\$1,398,149.00	\$265,648.31	\$1,663,797.31	\$2,010,991.00	\$382,088.29	\$2,393,079.29	\$1,076,102.55	\$204,459.48	\$1,280,562.03	\$1,495,080.85	\$1,779,146.21
3932	Soporte motor trasero		UND	1	\$2,220,227.00	\$421,843.13	\$2,642,070.13	\$1,044,590.85	\$198,472.26	\$1,243,063.11	\$1,231,099.00	\$233,908.81	\$1,465,007.81	\$1,498,638.95	\$1,783,380.35
3933	Soporte motor delantero		UND	1	\$2,080,889.00	\$395,368.91	\$2,476,257.91	\$1,243,217.00	\$236,211.23	\$1,479,428.23	\$962,351.10	\$182,846.71	\$1,145,197.81	\$1,428,819.03	\$1,700,294.65
3934	Retenedor bomba de servo		UND	1	\$1,287,617.00	\$244,647.23	\$1,532,264.23	\$2,244,728.00	\$426,498.32	\$2,671,226.32	\$1,071,241.65	\$203,535.91	\$1,274,777.56	\$1,534,528.88	\$1,826,089.37
3935	Selenoide apagado		UND	1	\$3,334,902.00	\$633,631.38	\$3,968,533.38	\$4,324,159.00	\$821,590.21	\$5,145,749.21	\$2,998,130.40	\$569,644.78	\$3,567,775.18	\$4,227,352.59	\$4,227,352.59
3936	Bomba de aceite		UND	1	\$5,441,632.00	\$1,033,910.08	\$6,475,542.08	\$4,686,547.05	\$890,443.94	\$5,576,990.99	\$10,876,995.00	\$2,066,629.05	\$12,943,624.05	\$7,001,724.68	\$8,332,052.37
3937	Tubos de enfriamiento		UND	1	\$1,391,640.00	\$264,411.60	\$1,656,051.60	\$580,456.80	\$110,286.79	\$690,743.59	\$784,427.00	\$149,041.13	\$933,468.13	\$918,841.27	\$1,093,421.11
3938	Regulador de voltaje		UND	1	\$1,768,604.00	\$336,034.76	\$2,104,638.76	\$1,129,131.00	\$214,534.89	\$1,343,665.89	\$886,583.70	\$168,450.90	\$1,055,034.60	\$1,261,439.57	\$1,501,113.08
3939	Juego rodamientos alternador		JUEGO	1	\$229,300.20	\$43,567.04	\$272,867.24	\$263,056.00	\$49,980.64	\$313,036.64	\$499,947.00	\$94,989.93	\$594,936.93	\$330,767.73	\$393,613.60
3940	Guaya estabilizador		UND	1	\$874,265.85	\$166,110.51	\$1,040,376.36	\$1,302,300.00	\$247,437.00	\$1,549,737.00	\$911,641.00	\$173,211.79	\$1,084,852.79	\$1,029,402.28	\$1,224,988.72
3941	Cauchos obturadores válvulas motor		UND	1	\$1,277,060.00	\$242,641.40	\$1,519,701.40	\$1,244,489.00	\$236,452.91	\$1,480,941.91	\$884,733.30	\$168,099.33	\$1,052,832.63	\$1,135,427.43	\$1,351,158.65
3942	Retenedor delantero cigüeñal		UND	1	\$1,112,946.00	\$211,459.74	\$1,324,405.74	\$875,689.00	\$166,380.91	\$1,042,069.91	\$649,453.05	\$123,396.08	\$772,849.13	\$879,362.68	\$1,046,441.59
3943	Retenedor trasero cigüeñal		UND	1	\$752,076.00	\$142,894.44	\$894,970.44	\$551,055.00	\$104,700.45	\$655,755.45	\$445,005.45	\$84,551.04	\$529,556.49	\$582,712.15	\$693,427.46
3944	Gatos puertas		UND	1	\$2,679,382.00	\$509,082.58	\$3,188,464.58	\$1,916,531.00	\$364,140.89	\$2,280,671.89	\$1,473,685.20	\$280,000.19	\$1,753,685.39	\$2,023,199.40	\$2,407,607.29
3945	Tubo conexcion bomba de agua		UND	1	\$530,153.55	\$100,729.17	\$630,882.72	\$1,144,232.00	\$217,404.08	\$1,361,636.08	\$624,744.00	\$118,701.36	\$743,445.36	\$766,376.52	\$911,988.05
3946	Cartridge turbo		UND	1	\$6,973,772.00	\$1,325,016.68	\$8,298,788.68	\$5,198,441.85	\$987,703.95	\$6,186,145.80	\$11,536,985.00	\$2,192,027.15	\$13,729,012.15	\$7,903,066.28	\$9,404,648.88
3947	Oring bomba de inyeccion		UND	1	\$109,060.80	\$20,721.55	\$129,782.35	\$246,858.00	\$46,903.02	\$293,761.02	\$128,527.00	\$24,420.13	\$152,947.13	\$161,481.93	\$192,163.50
3948	Oring grande rueda trasera		UND	1	\$106,899.00	\$20,310.81	\$127,209.81	\$183,176.00	\$34,803.44	\$217,979.44	\$99,492.00	\$18,903.54	\$118,395.84	\$129,855.77	\$154,528.36
3949	Metalizada de pasador sillin		UND	1	\$2,091,909.00	\$397,462.71	\$2,489,371.71	\$880,217.10	\$167,241.25	\$1,047,458.35	\$1,123,075.00	\$213,384.25	\$1,336,459.25	\$1,365,067.03	\$1,624,429.77
3950	control hidraulico stick		UND	1	\$18,668,595.00	\$3,547,033.05	\$22,215,628.05	\$8,494,040.40	\$1,613,867.68	\$10,107,908.08	\$12,592,805.00	\$2,392,632.95	\$14,985,437.95	\$13,251,813.47	\$15,769,658.03
3951	control hidraulico estabilizador		UND	1	\$2,955,692.00	\$561,581.48	\$3,517,273.48	\$2,557,704.90	\$485,963.93	\$3,043,668.83	\$3,172,978.00	\$602,865.82	\$3,775,843.82	\$2,895,458.30	\$3,445,595.38
3952	Pines pasador estabilizador		UND	1	\$35,853.00	\$6,812.07	\$42,665.07	\$100,004.00	\$19,004.00	\$119,004.00	\$50,010.00	\$9,501.90	\$59,511.90	\$61,955.67	\$73,727.24
3953	Sello NH 38566		UND	1	\$52,435.00	\$9,962.65	\$62,397.65	\$41,022.90	\$7,794.35	\$48,817.25	\$57,034.00	\$10,836.46	\$67,870.46	\$50,163.97	\$59,695.12
3954	Valvula aire		UND	1	\$532,180.00	\$101,114.20	\$633,294.20	\$421,324.20	\$80,051.60	\$501,375.80	\$773,181.00	\$146,904.39	\$920,085.39	\$575,561.73	\$684,918.46
3955	Tapa aire		UND	1	\$961,640.00	\$182,711.60	\$1,144,351.60	\$486,696.00	\$92,472.24	\$579,168.24	\$353,096.40	\$67,088.32	\$420,184.72	\$600,477.47	\$714,568.19
3956	Kit empaquetaduras para banco de válvulas Trasero		UND	1	\$1,983,613.50	\$376,886.57	\$2,360,500.07	\$1,985,944.00	\$377,329.36	\$2,363,273.36	\$3,779,461.00	\$718,097.59	\$4,497,558.59	\$2,583,006.17	\$3,073,777.34
3957	Empaquetaduras para válvulas estabilizadores		UND	1	\$1,470,068.00	\$279,312.92	\$1,749,380.92	\$981,432.90	\$186,472.25	\$1,167,905.15	\$2,896,336.00	\$560,303.84	\$3,446,639.84	\$1,782,612.30	\$2,121,308.64
3958	sello		UND	1	\$304,024.20	\$57,764.60	\$361,788.80	\$656,939.00	\$124,818.41	\$781,757.41	\$369,979.00	\$70,296.01	\$440,275.01	\$443,647.40	\$527,940.41
3959	Gato amortiguador cabrilla		UND	1	\$1,023,780.30	\$194,518.26	\$1,218,298.56	\$1,414,139.00	\$268,686.41	\$1,682,825.41	\$1,293,650.00	\$245,793.50	\$1,539,443.50	\$1,243,856.43	\$1,480,189.16
3960	Inducido motor arranque		UND	1	\$892,952.00	\$169,660.88	\$1,062,612.88	\$770,628.60	\$146,419.43	\$917,048.03	\$1,479,953.00	\$281,191.07	\$1,761,144.07	\$1,047,844.53	\$1,246,934.99
3961	Pasador botella estabilizadora		UND	1	\$487,826.10	\$92,686.96	\$580,513.06	\$1,011,937.00	\$192,268.03	\$1,204,205.03	\$612,142.00	\$116,306.98	\$728,448.98	\$703,968.37	\$837,722.36
3962	Pasador superior estabilizadora		UND	1	\$645,994.00	\$122,738.86	\$768,732.86	\$523,709.00	\$99,504.71	\$623,213.71	\$499,285.80	\$94,864.30	\$594,150.10	\$556,329.60	\$662,032.22
3963	511 Buje estabilizador		UND	1	\$493,882.00	\$93,837.58	\$587,719.58	\$311,719.00	\$59,226.61	\$370,945.61	\$256,466.40	\$48,728.62	\$305,195.02	\$354,022.47	\$421,286.74
3964	431 Buje estabilizador		UND	1	\$266,928.90	\$50,716.49	\$317,645.39	\$353,468.00	\$67,158.92	\$420,626.92	\$684,202.00	\$129,998.38	\$814,200.38	\$434,866.30	\$517,490.90
3965	321 Buje estabilizador		UND	1	\$413,383.00	\$78,542.77	\$491,925.77	\$407,142.90	\$77,357.15	\$484,500.05	\$741,667.00	\$140,916.73	\$882,583.73	\$520,730.97	\$619,669.85
3966	498 kit diferencial delantero completo		UND	1	\$13,281,296.00	\$2,523,446.24	\$15,804,742.24	\$22,579,669.00	\$4,290,137.11	\$26,869,806.11	\$13,041,121.95	\$2,477,813.17	\$15,518,935.12	\$16,300,695.65	\$19,397,827.82
3967	Embolo botella balde 2 1/2 x 108		UND	1	\$11,014,986.00	\$2,092,847.34	\$13,107,833.34	\$4,221,238.50	\$802,035.31	\$5,023,273.81	\$5,983,945.00	\$1,136,949.55	\$7,120,894.55	\$7,073,389.83	\$8,417,333.90
3968	Gato capot														

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS					VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION															
3977	portadidos			UND	1	\$702,040.00	\$133,387.60	\$835,427.60	\$794,781.00	\$151,008.39	\$945,789.39	\$492,803.10	\$93,632.59	\$586,435.69	\$663,208.03	\$789,217.56
3978	Retenedor bomba inyeccion			UND	1	\$484,225.20	\$92,002.79	\$576,227.99	\$1,438,804.00	\$273,372.76	\$1,712,176.76	\$720,420.00	\$136,879.80	\$857,299.80	\$881,149.73	\$1,048,568.18
3979	Kit zapatas y rodillos bomba			UND	1	\$3,154,824.90	\$599,416.73	\$3,754,241.63	\$4,170,394.00	\$792,374.86	\$4,962,768.86	\$6,403,994.00	\$1,216,758.86	\$7,620,752.86	\$4,576,404.30	\$5,445,921.12
3980	kit de reparacion completo			UND	1	\$39,153,130.80	\$7,439,094.85	\$46,592,225.65	\$99,621,361.00	\$18,928,058.59	\$118,549,419.59	\$52,865,917.00	\$10,044,524.23	\$62,910,441.23	\$63,880,136.27	\$76,017,362.16
3981	Tapa guardabarros			UND	1	\$2,198,479.00	\$417,711.01	\$2,616,190.01	\$1,247,124.00	\$236,953.56	\$1,484,077.56	\$902,954.70	\$171,561.39	\$1,074,516.09	\$1,449,519.23	\$1,724,927.89
3982	piston aluminio y caucho			UND	1	\$1,576,546.65	\$299,543.86	\$1,876,090.51	\$2,356,481.00	\$447,731.39	\$2,804,212.39	\$2,065,627.00	\$392,469.13	\$2,458,096.13	\$1,999,551.55	\$2,379,466.34
3983	retenedor yoke item no contemplado			UND	1	\$1,403,268.00	\$266,620.92	\$1,669,888.92	\$1,168,510.95	\$222,017.08	\$1,390,528.03	\$2,519,165.00	\$478,641.35	\$2,997,806.35	\$1,696,981.32	\$2,019,407.77
3984	rodamiento tren fijo 4r			UND	1	\$1,125,414.00	\$213,828.66	\$1,339,242.66	\$879,471.90	\$167,099.66	\$1,046,571.56	\$2,150,126.00	\$408,523.94	\$2,558,649.94	\$1,385,003.97	\$1,648,154.72
3985	electrovalvula marcha			UND	1	\$6,176,387.00	\$1,173,513.53	\$7,349,900.53	\$4,055,671.00	\$770,577.49	\$4,826,248.49	\$3,786,537.60	\$719,442.14	\$4,505,979.74	\$4,672,865.20	\$5,560,709.59
3986	electrovalvula doble transmision			UND	1	\$5,733,398.00	\$1,089,345.62	\$6,822,743.62	\$4,289,566.50	\$815,017.64	\$5,104,584.14	\$9,428,425.00	\$1,791,400.75	\$11,219,825.75	\$6,483,796.50	\$7,715,717.84
3987	reten bomba de carga			UND	1	\$1,587,330.00	\$301,592.70	\$1,888,922.70	\$735,228.45	\$139,693.41	\$874,921.86	\$978,800.00	\$185,972.00	\$1,164,772.00	\$1,100,452.82	\$1,309,538.85
3988	sello plano de la bomba de carga			UND	1	\$1,569,346.00	\$298,175.74	\$1,867,521.74	\$2,369,210.00	\$450,149.90	\$2,819,359.90	\$1,165,914.90	\$221,523.83	\$1,387,438.73	\$1,701,490.30	\$2,024,773.46
3989	eliminador de empaques			UND	1	\$222,683.00	\$42,309.77	\$264,992.77	\$419,968.00	\$79,793.92	\$499,761.92	\$181,393.20	\$34,464.71	\$215,857.91	\$274,681.40	\$326,870.87
3990	guardapolvo palanca de cambios			UND	1	\$1,073,193.00	\$203,906.67	\$1,277,099.67	\$1,227,382.00	\$233,202.58	\$1,460,584.58	\$812,896.65	\$154,450.36	\$967,347.01	\$1,037,823.88	\$1,235,010.42
3991	guaya equipo trasero			UND	1	\$5,022,671.00	\$954,307.49	\$5,976,978.49	\$3,363,935.00	\$639,147.65	\$4,003,082.65	\$2,245,676.40	\$426,678.52	\$2,672,354.92	\$3,544,094.13	\$4,217,472.02
3992	Resorte clutch			UND	1	\$791,013.00	\$150,292.47	\$941,305.47	\$1,202,184.00	\$228,414.96	\$1,430,598.96	\$729,092.25	\$138,527.53	\$867,619.78	\$907,429.75	\$1,079,841.40
3993	laines ajuste pivote			UND	1	\$652,092.00	\$161,897.48	\$813,989.48	\$616,757.85	\$117,183.99	\$733,941.84	\$1,233,378.00	\$234,341.82	\$1,467,719.82	\$900,742.62	\$1,071,883.71
3994	Solenoido bomba de inyeccion			UND	1	\$3,239,986.00	\$615,597.34	\$3,855,583.34	\$2,790,540.45	\$530,202.69	\$3,320,743.14	\$3,942,677.00	\$749,108.63	\$4,691,785.63	\$3,324,401.15	\$3,956,037.37
3995	TAIL RING EXCAVATOR REAR			UND	1	\$28,678,635.00	\$5,448,940.65	\$34,127,575.65	\$20,141,002.00	\$3,826,790.38	\$23,967,792.38	\$18,970,555.00	\$3,604,405.45	\$22,574,960.45	\$22,596,730.67	\$26,890,109.49
3996	PUNTA MANDO FINAL			UND	1	\$8,004,699.00	\$1,520,892.81	\$9,525,591.81	\$14,128,458.00	\$2,684,407.02	\$16,812,865.02	\$6,713,708.85	\$1,275,604.68	\$7,989,313.53	\$9,615,621.95	\$11,442,590.12
3997	ROTULA DIRECCION			UND	1	\$4,121,284.00	\$783,043.96	\$4,904,327.96	\$7,084,396.00	\$1,346,035.24	\$8,430,431.24	\$2,893,816.35	\$549,825.11	\$3,443,641.46	\$4,699,832.12	\$5,592,800.22
3998	pin punta eje solar			UND	1	\$357,655.50	\$67,954.55	\$425,610.05	\$840,402.00	\$159,676.38	\$1,000,078.38	\$460,581.00	\$87,510.39	\$548,091.39	\$552,879.50	\$657,926.61
3999	INYECTOR SISTEMA UREA			UND	1	\$9,525,908.00	\$1,809,922.52	\$11,335,830.52	\$17,960,291.00	\$3,412,455.29	\$21,372,746.29	\$6,999,780.00	\$1,329,958.20	\$8,329,738.20	\$11,495,326.33	\$13,679,438.34
4000	CONDUCTO SISTEMA UREA			UND	1	\$7,460,809.00	\$1,417,553.71	\$8,878,362.71	\$3,202,520.00	\$608,478.80	\$4,410,998.80	\$4,251,828.00	\$807,847.32	\$5,059,675.32	\$4,971,719.00	\$5,916,345.61
4001	JUNTA SISTEMA UREA			UND	1	\$5,322,636.00	\$1,011,300.84	\$6,333,936.84	\$2,929,456.00	\$556,596.64	\$3,486,052.64	\$2,016,257.60	\$383,088.94	\$2,399,346.54	\$3,422,783.20	\$4,073,112.01
4002	BOMBA UREA			UND	1	\$67,816,411.00	\$12,885,118.09	\$80,701,529.09	\$37,499,912.00	\$7,124,983.28	\$44,624,895.28	\$30,384,799.20	\$5,773,111.85	\$36,157,911.05	\$45,233,707.40	\$53,828,111.81
4003	DEPOSITO UREA			UND	1	\$9,875,776.00	\$1,876,397.44	\$11,752,173.44	\$13,270,360.00	\$2,521,368.40	\$15,791,728.40	\$9,580,990.00	\$1,820,388.10	\$11,401,378.10	\$10,909,042.00	\$12,981,759.98
	MANO DE OBRA															
	DESCRIPCION				UNIDAD	CANT										
4004	Mantenimiento preventivo 250 horas			UND	1	\$776,165.85	\$147,471.51	\$923,637.36	\$2,122,652.00	\$403,303.88	\$2,525,955.88	\$1,076,143.00	\$204,467.17	\$1,280,610.17	\$1,324,986.95	\$1,576,734.47
4005	Mantenimiento preventivo 500 horas			UND	1	\$686,878.20	\$130,506.86	\$817,385.06	\$882,075.00	\$167,594.25	\$1,049,669.25	\$1,708,507.00	\$324,616.33	\$2,033,123.33	\$1,092,486.73	\$1,300,059.21
4006	Mantenimiento preventivo 1000 horas			UND	1	\$877,123.35	\$166,653.44	\$1,043,776.79	\$1,926,114.00	\$365,961.66	\$2,292,075.66	\$1,277,388.00	\$242,703.72	\$1,520,091.72	\$1,360,208.45	\$1,618,648.06
4007	Mantenimiento preventivo 2000 horas			UND	1	\$1,981,484.00	\$376,481.96	\$2,357,965.96	\$1,006,920.00	\$191,314.80	\$1,198,234.80	\$831,171.15	\$157,922.52	\$989,093.67	\$1,273,191.72	\$1,515,098.14
4008	Desmonte y montaje de motor			UND	1	\$886,479.30	\$168,431.07	\$1,054,910.37	\$1,454,385.00	\$276,333.15	\$1,730,718.15	\$1,084,423.00	\$206,040.37	\$1,290,463.37	\$1,141,762.43	\$1,358,697.30
4009	rectificadora			GLOBAL	1	\$10,008,105.00	\$1,901,539.95	\$11,909,644.95	\$12,124,085.00	\$2,303,576.15	\$14,427,661.15	\$7,926,737.85	\$1,506,080.19	\$9,432,818.04	\$10,019,642.62	\$11,923,374.71
4010	Desmontar y montar sensor temperatura y presion			UND	1	\$1,095,527.25	\$208,150.18	\$1,303,677.43	\$1,347,581.00	\$256,040.39	\$1,603,621.39	\$1,589,478.00	\$302,000.82	\$1,891,478.82	\$1,344,195.42	\$1,599,592.55
4011	Desmonte y monte de servotransmision			UND	1	\$3,844,894.05	\$730,529.87	\$4,575,423.92	\$5,570,028.00	\$1,058,305.32	\$6,628,333.32	\$8,339,857.00	\$1,584,572.83	\$9,924,429.83	\$5,918,259.68	\$7,042,729.02
4012	Reparacion general servo transmision cambio de partes en mal estado			GLOBAL	1	\$10,495,121.40	\$1,994,073.07	\$12,489,194.47	\$15,640,697.00	\$2,971,732.43	\$18,612,429.43	\$17,655,005.00	\$3,354,450.95	\$21,009,455.95	\$14,596,941.13	\$17,370,359.95
4013	Desmontar y montar orbitrol direccion para su reparacion			UND	1	\$681,536.25	\$129,491.89	\$811,028.14	\$850,541.00	\$161,602.79	\$1,012,143.79	\$1,498,226.00	\$284,662.94	\$1,782,888.94	\$1,010,101.08	\$1,202,020.29
4014	Desmontar y montar master baterias			UND	1	\$371,141.00	\$70,516.79	\$441,657.79	\$263,090.25	\$49,987.15	\$313,077.40	\$694,893.00	\$132,029.67	\$826,922.67	\$443,041.42	\$527,219.29
4015	Desmontar y montar manguera superior e inferior radiador refrigeranto			UND	1	\$318,907.00	\$60,592.33	\$379,499.33	\$252,972.90	\$48,064.85	\$301,037.75	\$350,306.00	\$66,558.14	\$416,864.14	\$307,395.30	\$365,800.41
4016	Desmontar y montar muelles exosto			UND	1	\$482,994.45	\$91,768.95	\$574,763.40	\$585,568.00	\$111,257.92	\$696,825.92	\$812,019.00	\$154,283.61	\$966,302.61	\$626,860.48	\$745,963.98
4017	Desmontar y montar empaque tapa valvulas			UND	1	\$1,049,427.00	\$199,391.13	\$1,248,818.13	\$708,352.00	\$134,586.88	\$842,938.88	\$560,380.95	\$106,472.38	\$666,853.33	\$772,719.98	\$919,536.78
4018	Desmontar y montar carter			UND	1	\$586,944.00	\$111,519.36	\$698,463.36	\$566,590.50	\$107,652.20	\$674,242.70	\$840,371.00	\$159,670.49	\$1,000,041.49	\$664,635.17	\$790,915.85
4019	Desmontar y montar carcaza de volante de motor para cambio			UND	1	\$846,636.00	\$122,860.84	\$969,496.84	\$1,194,842.00	\$227,019.98	\$1,421,861.98	\$623,773.80	\$118,517.02	\$742,290.82	\$821,750.60	\$977,883.21
4020	Desmontar y montar volante de motor			UND	1	\$1,808,725.95	\$343,657.93	\$2,152,383.88	\$2,071,535.00	\$393,591.65	\$2,465,126.65	\$1,992,779.00	\$378,628.01	\$2,371,407.01	\$1,957,679.98	\$2,329,639.18
4021	Desmontar y montar tapa distribucion de motor			UND	1	\$793,524.00	\$150,769.56	\$944,293.56	\$974,886.00	\$185,228.34	\$1,160,114.34	\$535,946.85	\$101,829.90	\$637,776.75	\$768,118.95	\$914,061.55
4022	Desmontar y montar guaya de freno de parqueo			UND	1	\$850,859.00	\$161,663.21	\$1,012,522.21	\$531,904.05	\$101,061.77	\$632,965.82	\$713,396.00	\$135,545.24	\$848,941.24	\$698,719.68	\$831,476.42
4023	/transferencia			UND	1	\$3,480,881.00	\$661,367.39	\$4,142,248.39	\$2,464,470.45	\$468,249.39	\$2,932,719.84	\$4,766,827.00	\$905,697.13	\$5,672,524.13	\$3,570,726.15	\$4,249,164.12
4024	Desmontar y montar interruptor multifuncion			UND	1	\$1,199,830.00	\$227,967.70	\$1,427,797.70	\$591,114.15	\$112,311.69	\$703,425.84	\$636,924.00	\$121,395.56	\$760,319.56	\$809,956.05	\$963,847.70
4025	Desmontar y montar tubos de lubricacion turbo			UND	1	\$763,699.00</										

ITEM	MOTONIVELADORA CATERPILLAR 120 K	UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION													
4034	Reconstrucción del cucharon trasero bases costados y fondo	UND	1	\$5,339,340.45	\$1,014,474.69	\$6,353,815.14	\$7,173,129.00	\$1,362,894.51	\$8,536,023.51	\$7,561,407.00	\$1,436,667.33	\$8,998,074.33	\$6,691,292.15	\$7,962,637.66
4035	stops	UND	1	\$1,070,694.90	\$203,432.03	\$1,274,126.93	\$2,573,702.00	\$489,003.38	\$3,062,705.38	\$4,066,297.00	\$267,196.43	\$4,673,493.43	\$1,683,564.63	\$2,003,441.91
4036	Ajuste equipo trasero cambio de bujes y pasadores	UND	1	\$11,347,580.00	\$2,156,040.20	\$13,503,620.20	\$4,287,519.45	\$814,628.70	\$5,102,148.15	\$5,808,986.00	\$6,912,693.34	\$6,912,693.34	\$7,148,028.48	\$8,506,153.90
4037	Ajuste equipo delantero cambio de bujes y pasadores	UND	1	\$10,573,944.00	\$2,009,049.36	\$12,582,993.36	\$4,015,329.30	\$762,912.57	\$4,778,241.87	\$6,011,203.00	\$1,142,128.57	\$7,153,331.57	\$6,866,825.43	\$8,171,522.27
4038	Cambio De Dientes Del Boom (Incluye Corte De Tornillos O Pin)	UND	1	\$888,920.00	\$168,894.80	\$1,057,814.80	\$626,424.75	\$119,020.70	\$745,445.45	\$1,016,788.00	\$193,189.72	\$1,209,977.72	\$844,044.25	\$1,004,412.66
4039	Cambio De Dientes Del Balde Delantero (Incluye Corte De Tornillos)	UND	1	\$1,259,887.00	\$239,378.53	\$1,499,265.53	\$680,149.80	\$129,228.46	\$809,378.26	\$757,296.00	\$143,886.24	\$901,182.24	\$899,110.93	\$1,069,942.01
4040	Cambio De Cuchillas Del Balde Delantero (Incluye Corte De Tornillos)	JUEGO	1	\$1,434,375.00	\$272,531.25	\$1,706,906.25	\$832,830.00	\$158,237.70	\$991,067.70	\$657,765.00	\$124,975.35	\$782,740.35	\$974,990.00	\$1,160,238.10
4041	Despinchada De Llantas Traseras	UND	1	\$254,497.00	\$48,354.43	\$302,851.43	\$311,205.00	\$59,128.95	\$370,333.95	\$250,420.00	\$47,579.80	\$297,999.80	\$272,040.67	\$323,728.39
4042	Montaje De Llantas traseras	UND	1	\$513,295.00	\$97,526.05	\$610,821.05	\$400,427.00	\$76,081.13	\$476,508.13	\$290,850.00	\$55,261.50	\$346,111.50	\$401,524.00	\$477,813.56
4043	Montaje De Llantas Delanteras	UND	1	\$339,731.00	\$64,548.89	\$404,279.89	\$555,820.00	\$105,605.80	\$661,425.80	\$260,365.00	\$49,469.35	\$309,834.35	\$385,305.33	\$458,513.35
4044	Despinchada De Llantas delanteras	UND	1	\$527,423.00	\$100,210.37	\$627,633.37	\$268,300.00	\$50,977.00	\$319,277.00	\$250,420.00	\$47,579.80	\$297,999.80	\$348,714.33	\$414,970.06
4045	Cambio De Manguera Hidráulicas (unas con otras)	UND	1	\$506,116.80	\$96,162.19	\$602,278.99	\$867,795.00	\$164,881.05	\$1,032,676.05	\$506,208.00	\$96,179.52	\$602,387.52	\$626,706.60	\$745,780.85
4046	Cambio Correa Del Ventilador	UND	1	\$958,580.00	\$182,130.20	\$1,140,710.20	\$522,054.00	\$99,190.26	\$621,244.26	\$429,668.10	\$81,636.94	\$511,305.04	\$636,767.37	\$757,753.17
4047	Cambio De Guardabarros Trasero	UND	1	\$2,009,236.00	\$381,754.84	\$2,390,990.84	\$1,078,909.65	\$204,992.83	\$1,283,902.48	\$1,151,178.00	\$218,723.82	\$1,369,901.82	\$1,413,107.88	\$1,681,598.38
4048	empaquetaduras	UND	1	\$1,148,802.00	\$218,272.38	\$1,367,074.38	\$1,363,055.00	\$258,980.45	\$1,622,035.45	\$807,287.85	\$153,384.69	\$960,672.54	\$1,106,381.62	\$1,316,594.12
4049	empaquetadura (un lado)	UND	1	\$1,557,349.00	\$295,896.31	\$1,853,245.31	\$898,820.10	\$170,775.82	\$1,069,595.92	\$1,233,855.00	\$234,432.45	\$1,468,287.45	\$1,230,008.03	\$1,463,709.56
4050	Desmontar y montar cilindro arrastre de boom para cambio de empaquetadura	UND	1	\$736,994.70	\$140,028.99	\$877,023.69	\$881,623.00	\$167,508.37	\$1,049,131.37	\$778,693.00	\$147,951.67	\$926,644.67	\$799,103.57	\$990,933.24
4051	Desmontar y montar cilindro del boom para cambio de empaquetadura	UND	1	\$960,702.00	\$182,533.38	\$1,143,235.38	\$846,612.90	\$160,856.45	\$1,007,469.35	\$1,157,834.00	\$219,988.46	\$1,377,822.46	\$988,382.97	\$1,176,175.73
4052	empaquetadura	UND	1	\$1,828,668.00	\$347,446.92	\$2,176,114.92	\$760,385.70	\$144,473.28	\$904,859.98	\$1,000,068.00	\$190,012.92	\$1,190,080.92	\$1,196,373.90	\$1,423,684.94
4053	cambio de empaquetadura (un solo lado)	UND	1	\$894,191.85	\$169,896.45	\$1,064,088.30	\$1,408,998.00	\$267,709.82	\$1,676,707.82	\$1,223,773.00	\$232,516.87	\$1,456,289.87	\$1,175,654.28	\$1,399,028.60
4054	Desmontar cilindro hidráulico de direccion para cambio de empaquetadura	UND	1	\$1,095,215.00	\$208,090.85	\$1,303,305.85	\$860,259.60	\$163,449.32	\$1,023,708.92	\$891,536.00	\$169,391.84	\$1,060,927.84	\$949,003.53	\$1,129,314.20
4055	Mantenimiento Sistema Hidráulico: Cambio De Filtros Aceites	CONJUNTO	1	\$1,455,696.00	\$276,582.24	\$1,732,278.24	\$1,756,861.00	\$333,803.59	\$2,090,664.59	\$1,107,833.40	\$210,488.35	\$1,318,321.75	\$1,440,130.13	\$1,713,754.86
4056	Instalacion de bomba de transferencia de combustible	UND	1	\$3,745,987.65	\$711,737.65	\$4,457,725.30	\$6,877,691.00	\$1,306,761.29	\$8,184,452.29	\$4,152,919.00	\$789,054.61	\$4,941,973.61	\$4,925,532.55	\$5,861,383.73
4057	Calibración bomba de inyeccion	UND	1	\$11,738,410.00	\$2,230,297.90	\$13,968,707.90	\$5,016,926.70	\$953,216.07	\$5,970,142.77	\$6,447,128.00	\$1,224,954.32	\$7,672,082.32	\$7,734,154.90	\$9,203,644.33
4058	partes afectadas	UND	1	\$1,397,298.60	\$265,486.73	\$1,662,785.33	\$2,364,690.00	\$449,291.10	\$2,813,981.10	\$1,761,757.00	\$334,733.83	\$2,096,490.83	\$1,841,248.53	\$2,191,085.75
4059	mal estado	UND	1	\$2,269,247.00	\$431,156.93	\$2,700,403.93	\$1,644,583.50	\$312,478.86	\$1,957,062.36	\$1,740,046.00	\$330,608.74	\$2,070,654.74	\$1,884,625.50	\$2,242,704.34
4060	Reacondicionar base de la cuchilla balde delantero y reforzar	UND	1	\$4,488,847.20	\$852,880.97	\$5,341,728.17	\$8,780,147.00	\$1,668,227.93	\$10,448,374.93	\$6,131,878.00	\$1,165,056.82	\$7,296,934.82	\$6,466,957.40	\$7,695,679.31
4061	de transmision	UND	1	\$1,087,037.10	\$206,537.05	\$1,293,574.15	\$3,049,687.00	\$579,440.53	\$3,629,127.53	\$1,577,438.00	\$299,713.22	\$1,877,151.22	\$1,904,720.70	\$2,266,617.63
4062	Arreglo balde trasero cambio de platina y soporte bujes	UND	1	\$9,034,997.00	\$1,716,649.43	\$10,751,646.43	\$4,879,118.25	\$927,032.47	\$5,806,150.72	\$7,206,490.00	\$1,369,233.10	\$8,575,723.10	\$7,040,201.75	\$8,377,840.08
4063	Cambio brazos de dirección (un lado)	UND	1	\$609,334.00	\$115,773.46	\$725,107.46	\$568,655.55	\$108,044.55	\$676,700.10	\$829,937.00	\$157,688.03	\$987,625.03	\$669,308.85	\$796,477.53
4064	Reparacion bomba de frenos	UND	1	\$1,124,734.00	\$213,699.46	\$1,338,433.46	\$926,807.40	\$176,093.41	\$1,102,900.81	\$931,912.00	\$177,063.28	\$1,108,975.28	\$994,484.47	\$1,183,436.52
4065	Desmontar y montar dados crucetas cardan	UND	1	\$739,850.00	\$140,571.50	\$880,421.50	\$533,169.00	\$101,302.11	\$634,471.11	\$458,240.85	\$87,065.76	\$545,306.61	\$577,066.62	\$686,733.07
4066	Cambio de solenoide bomba de inyeccion	UND	1	\$970,373.00	\$184,370.87	\$1,154,743.87	\$1,179,395.00	\$224,085.05	\$1,403,480.05	\$712,495.80	\$135,374.20	\$847,870.00	\$954,087.93	\$1,135,364.64
4067	Desmontar y montar banco eléctrico válvulas de marchas	UND	1	\$6,019,451.00	\$1,143,695.69	\$7,163,146.69	\$4,652,819.00	\$884,035.61	\$5,536,854.61	\$3,320,301.15	\$630,857.22	\$3,951,158.37	\$4,664,190.38	\$5,550,386.56
4068	Calibrada bomba de frenos y varillaje	UND	1	\$826,918.20	\$157,114.46	\$984,032.66	\$1,991,500.00	\$378,385.00	\$2,369,885.00	\$1,065,394.00	\$202,424.86	\$1,267,818.86	\$1,294,604.07	\$1,540,578.84
4069	Cambio pasador spool control hidraulico	UND	1	\$1,658,589.00	\$315,131.91	\$1,973,720.91	\$794,756.70	\$151,003.77	\$945,760.47	\$1,083,003.00	\$205,770.57	\$1,288,773.57	\$1,178,782.90	\$1,402,751.65
4070	Arreglo general de base silla operador.	UND	1	\$808,548.00	\$153,624.12	\$962,172.12	\$1,608,315.00	\$305,579.85	\$1,913,894.85	\$595,533.60	\$113,151.38	\$708,684.98	\$1,004,132.20	\$1,194,917.32
4071	Instalación de vidrios cabina (uno solo)	UND	1	\$485,750.70	\$92,292.63	\$578,043.33	\$718,265.00	\$136,470.35	\$854,735.35	\$644,210.00	\$122,399.90	\$766,609.90	\$616,075.23	\$733,129.53
4072	Desmontar y montar bomba de agua	UND	1	\$1,418,332.00	\$269,483.08	\$1,687,815.08	\$1,418,787.00	\$269,569.53	\$1,688,356.53	\$1,069,881.75	\$203,277.53	\$1,273,159.28	\$1,302,333.58	\$1,549,776.96
4073	empaquetadura (un solo lado)	UND	1	\$602,550.00	\$114,484.50	\$717,034.50	\$1,419,474.00	\$269,700.06	\$1,689,174.06	\$866,975.00	\$164,725.25	\$1,031,700.25	\$962,999.67	\$1,145,969.60
4074	Reparar válvula de control balde delantero	UND	1	\$4,083,408.45	\$775,847.61	\$4,859,256.06	\$5,953,627.00	\$1,131,189.13	\$7,084,816.13	\$11,238,039.00	\$2,135,227.41	\$13,373,266.41	\$7,091,691.48	\$8,439,112.87
4075	Cambio de valvula llanta	UND	1	\$264,241.00	\$50,205.79	\$314,446.79	\$210,728.00	\$40,038.32	\$250,766.32	\$151,949.70	\$28,870.44	\$180,820.14	\$208,972.90	\$248,677.75
4076	Reparacion general silla operador tapizado y estructura	UND	1	\$2,653,467.00	\$504,158.73	\$3,157,625.73	\$1,509,488.00	\$286,802.72	\$1,796,290.72	\$1,191,345.75	\$226,355.69	\$1,417,701.44	\$1,784,766.92	\$2,123,872.63
4077	Desmontar y montar crucetas cardan troque trasero	UND	1	\$2,718,464.00	\$516,508.16	\$3,234,972.16	\$1,436,293.00	\$272,895.67	\$1,709,188.67	\$964,061.55	\$183,171.69	\$1,147,233.24	\$1,706,272.85	\$2,030,464.69
4078	Desmontar y montar crucetas cardan troque delantero	UND	1	\$1,351,664.00	\$256,816.16	\$1,608,480.16	\$1,666,001.00	\$316,540.19	\$1,982,541.19	\$909,394.20	\$172,784.90	\$1,082,179.10	\$1,309,019.73	\$1,557,733.48
4079	Desmontar y montar crucetas eje doble un solo lado	UND	1	\$1,296,716.00	\$246,376.04	\$1,543,092.04	\$1,073,520.90	\$203,968.97	\$1,277,489.87	\$2,441,311.00	\$463,849.09	\$2,905,160.09		

ITEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO			
	REPUESTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA		
	DESCRIPCION																
4093	Cambio de buje trocha y arandelas		UND	1	\$947,879.00	\$180,097.01	\$1,127,976.01	\$607,810.50	\$115,483.99	\$723,294.49	\$740,127.00	\$140,624.13	\$880,751.13	\$765,272.17	\$910,673.88		
4094	Bajar troque delantero completo		CONJUNTO	1	\$2,801,110.00	\$532,210.90	\$3,333,320.90	\$3,172,412.00	\$602,758.28	\$3,775,170.28	\$2,715,733.35	\$515,989.34	\$3,231,722.69	\$2,896,418.45	\$3,446,737.96		
4095	Desmontar y montar turbo		UND	1	\$1,162,442.00	\$220,863.98	\$1,383,305.98	\$1,124,307.00	\$213,618.33	\$1,337,925.33	\$1,941,237.00	\$368,835.03	\$2,310,072.03	\$1,409,328.67	\$1,677,101.11		
4096	Reparacion general turbo incluye cambio de partes afectadas		GLOBAL	1	\$6,877,106.00	\$1,306,650.14	\$8,183,756.14	\$5,250,868.00	\$997,664.92	\$6,248,532.92	\$4,478,090.85	\$850,837.26	\$5,328,928.11	\$5,535,354.95	\$6,587,072.39		
4097	Cambio bujes y pasadores del balde trasero		UND	1	\$1,958,418.00	\$372,099.42	\$2,330,517.42	\$3,890,525.00	\$739,199.75	\$4,629,724.75	\$1,401,407.10	\$266,267.35	\$1,667,674.45	\$2,416,783.37	\$2,875,972.21		
4098	Instalacion de bujes y pasadores balde delantero		UND	1	\$1,023,055.00	\$194,380.45	\$1,217,435.45	\$2,042,529.00	\$388,080.51	\$2,430,609.51	\$847,034.55	\$160,936.56	\$1,007,971.11	\$1,304,206.18	\$1,552,005.36		
4099	Cambio de bujes y pasadores de los estabilizadores		UND	1	\$1,366,040.00	\$259,547.60	\$1,625,587.60	\$966,931.00	\$183,716.89	\$1,150,647.89	\$805,899.15	\$153,120.84	\$959,019.99	\$1,046,290.05	\$1,245,085.16		
4100	cambio		UND	1	\$3,054,566.00	\$580,367.54	\$3,634,933.54	\$1,866,977.10	\$354,725.65	\$2,221,702.75	\$1,927,749.00	\$366,272.31	\$2,294,021.31	\$2,283,097.37	\$2,716,885.87		
4101	Cambio tubo H biselar, soldar, relleno y refuerzo en platina		UND	1	\$4,399,354.80	\$835,877.41	\$5,235,232.21	\$11,146,922.00	\$2,117,915.18	\$13,264,837.18	\$6,350,426.00	\$1,206,580.94	\$7,557,006.94	\$7,298,900.93	\$8,685,692.11		
4102	rodamientos (un solo lado)		UND	1	\$1,884,207.00	\$357,999.33	\$2,242,206.33	\$2,523,492.00	\$479,463.48	\$3,002,955.48	\$1,801,872.92	\$342,355.85	\$2,144,228.75	\$2,069,857.30	\$2,463,130.19		
4103	rodamientos chanelas rodamientos bocin (un solo lado)		UND	1	\$4,384,294.00	\$833,015.86	\$5,217,309.86	\$2,368,878.00	\$450,086.82	\$2,818,964.82	\$1,761,204.15	\$334,628.79	\$2,095,832.94	\$2,838,125.38	\$3,377,369.21		
4104	Desmontar transmision delantera para cambio de bujes eje central y ajuste		UND	1	\$2,615,966.10	\$497,033.56	\$3,112,999.66	\$3,851,996.00	\$731,879.24	\$4,583,875.24	\$7,557,867.00	\$1,435,994.73	\$8,993,861.73	\$4,675,276.37	\$5,563,578.88		
4105	Cambio de esparragos ruedas delanteras		UND	1	\$381,400.00	\$72,466.00	\$453,866.00	\$373,604.40	\$70,984.84	\$444,589.24	\$403,617.00	\$76,687.23	\$480,304.23	\$386,207.13	\$459,586.49		
4106	Reparacion embolo de direccion con rectificacion de rosca para terminal		UND	1	\$6,096,224.00	\$1,158,282.56	\$7,254,506.56	\$2,376,383.85	\$451,512.93	\$2,827,896.78	\$3,560,272.00	\$676,451.68	\$4,236,723.68	\$4,019,959.95	\$4,773,042.34		
4107	Desmontar capot y soporte de capot		UND	1	\$1,054,441.35	\$200,343.86	\$1,254,785.21	\$2,556,043.00	\$485,648.17	\$3,041,691.17	\$1,324,303.00	\$251,617.57	\$1,575,920.57	\$1,644,929.12	\$1,957,465.65		
4108	Fabricacion arandelas ajuste balde delantero		UND	1	\$603,619.65	\$114,687.73	\$718,307.38	\$733,540.00	\$139,372.60	\$872,912.60	\$719,143.00	\$136,637.17	\$855,780.17	\$685,434.22	\$815,666.72		
4109	Desmonte enfriador de aceite de la servo		UND	1	\$923,715.00	\$175,505.85	\$1,099,220.85	\$666,389.70	\$126,614.00	\$793,003.74	\$854,826.00	\$162,416.94	\$1,017,242.94	\$814,976.90	\$969,822.51		
4110	Desmontar silenciador filtro de aire		UND	1	\$883,236.00	\$167,814.84	\$1,051,050.84	\$729,172.35	\$138,542.75	\$867,715.10	\$1,192,763.00	\$226,624.97	\$1,419,387.97	\$935,057.12	\$1,112,717.97		
4111	Desmontar balde delantero para ajuste del equipo		UND	1	\$970,664.85	\$184,426.32	\$1,155,091.17	\$1,160,423.00	\$220,480.37	\$1,380,903.37	\$1,662,004.00	\$315,780.76	\$1,977,784.76	\$1,264,363.95	\$1,504,593.10		
4112	hidraulico		UND	1	\$2,798,422.00	\$531,700.18	\$3,330,122.18	\$1,848,281.00	\$351,173.39	\$2,199,454.39	\$1,315,804.05	\$250,002.77	\$1,565,806.82	\$1,987,502.35	\$2,365,127.80		
4113	Mantenimiento de tarjeta y controles de marcha y contramarcha		UND	1	\$3,104,527.00	\$589,860.13	\$3,694,387.13	\$2,730,217.00	\$518,741.23	\$3,248,958.23	\$2,444,906.70	\$464,532.27	\$2,909,438.97	\$2,759,883.57	\$3,284,261.44		
4114	Revision de switch de controles hidraulicos		UND	1	\$1,234,348.00	\$234,526.12	\$1,468,874.12	\$2,296,445.00	\$436,324.55	\$2,732,769.55	\$1,082,009.25	\$205,581.76	\$1,287,591.01	\$1,537,600.75	\$1,829,744.89		
4115	Cambio buje de levas		UND	1	\$923,629.00	\$175,489.51	\$1,099,118.51	\$844,162.00	\$160,390.78	\$1,004,552.78	\$595,765.35	\$113,195.42	\$708,960.77	\$787,852.12	\$937,544.02		
4116	Desmontar y montar culata motor		UND	1	\$5,135,486.00	\$975,742.34	\$6,111,228.34	\$3,947,242.50	\$749,976.07	\$4,697,218.57	\$6,530,596.00	\$1,240,813.24	\$7,771,409.24	\$5,204,441.50	\$6,193,285.38		
4117	Reparacion general culata incluye mano de obra mecanica y rectificadora		GLOBAL	1	\$9,392,592.00	\$1,784,592.48	\$11,177,184.48	\$5,878,178.00	\$1,116,853.82	\$6,995,031.82	\$5,190,947.40	\$986,280.01	\$6,177,227.41	\$6,820,572.47	\$8,116,481.24		
4118	35x40cm		UND	1	\$2,786,421.30	\$529,420.05	\$3,315,841.35	\$3,308,345.00	\$628,585.55	\$3,936,930.55	\$6,115,899.00	\$1,162,020.81	\$7,277,919.81	\$4,070,221.77	\$4,843,563.90		
4119	55x72cm		UND	1	\$3,236,006.00	\$614,841.14	\$3,850,847.14	\$3,331,690.00	\$633,021.10	\$3,964,711.10	\$2,291,933.40	\$435,467.35	\$2,727,400.75	\$2,953,209.80	\$3,514,319.66		
4120	115x80cm		UND	1	\$3,020,094.00	\$573,817.86	\$3,593,911.86	\$2,429,877.30	\$461,676.89	\$2,891,553.99	\$2,503,192.00	\$475,606.48	\$2,978,798.48	\$2,651,054.43	\$3,154,754.78		
4121	Reparacion de piston de botella estabilizadora		UND	1	\$872,762.40	\$165,824.86	\$1,038,587.26	\$1,075,484.00	\$204,341.96	\$1,279,825.96	\$1,695,884.00	\$322,217.96	\$2,018,101.96	\$1,214,710.13	\$1,445,505.06		
4122	Reconstruccion y soldada de bases retenedores trocha delantera		UND	1	\$2,527,165.00	\$480,161.35	\$3,007,326.35	\$1,878,334.00	\$356,883.46	\$2,235,217.46	\$1,607,293.80	\$305,385.82	\$1,912,679.62	\$2,004,264.27	\$2,385,074.48		
4123	Lavada y sondeada de radiador		UND	1	\$606,686.70	\$115,270.47	\$721,957.17	\$1,236,701.00	\$234,973.19	\$1,471,674.19	\$766,503.00	\$145,635.57	\$912,138.57	\$869,963.57	\$1,035,256.64		
4124	Cambio de platina refuerzo orejas balde boom		UND	1	\$1,997,381.40	\$379,502.47	\$2,376,883.87	\$2,251,001.00	\$427,690.19	\$2,678,691.19	\$3,803,168.00	\$722,601.92	\$4,525,769.92	\$2,683,850.13	\$3,193,781.66		
4125	Ajuste del equipo de arrastre balde y articulacion		UND	1	\$3,720,381.00	\$706,872.39	\$4,427,253.39	\$2,014,394.40	\$382,734.94	\$2,397,129.34	\$2,197,923.00	\$417,605.37	\$2,615,528.37	\$2,644,232.80	\$3,146,637.03		
4126	Ajuste del equipo delantero balde		UND	1	\$2,153,549.10	\$409,174.33	\$2,562,723.43	\$3,869,451.00	\$735,195.69	\$4,604,646.69	\$2,489,906.00	\$473,082.14	\$2,962,988.14	\$2,837,635.37	\$3,376,786.09		
4127	Instalacion de cardan		UND	1	\$620,441.00	\$117,883.79	\$738,324.79	\$324,907.80	\$61,732.48	\$386,640.28	\$476,220.00	\$90,481.80	\$566,701.80	\$473,856.27	\$563,888.96		
4128	Soldada de base de dientes y reforzada de base con lateral en platina de 1/2		UND	1	\$2,958,067.50	\$562,032.83	\$3,520,100.33	\$6,522,887.00	\$1,239,348.53	\$7,762,235.53	\$3,336,497.00	\$633,934.43	\$3,970,431.43	\$4,272,483.83	\$5,084,255.76		
4129	Calibracion inyector		UND	1	\$483,674.00	\$91,898.06	\$575,572.06	\$330,850.20	\$62,861.54	\$393,711.74	\$501,057.00	\$95,200.83	\$596,257.83	\$438,527.07	\$521,847.21		
4130	ajuste y alineada		UND	1	\$1,317,116.00	\$250,252.04	\$1,567,368.04	\$1,638,979.00	\$311,406.01	\$1,950,385.01	\$996,379.20	\$189,312.05	\$1,185,691.25	\$1,317,491.40	\$1,567,814.77		
4131	Desmontar instalar pesas de la trocha		UND	1	\$1,062,628.00	\$201,899.32	\$1,264,527.32	\$452,611.80	\$85,996.24	\$538,608.04	\$669,170.00	\$127,142.30	\$796,312.30	\$728,136.60	\$866,482.55		
4132	lado		UND	1	\$578,738.00	\$109,960.22	\$688,698.22	\$643,051.00	\$122,179.69	\$765,230.69	\$455,906.70	\$86,622.27	\$542,528.97	\$559,231.90	\$665,485.96		
4133	Cambio filtro AK		UND	1	\$86,605.00	\$16,454.95	\$103,059.95	\$171,110.00	\$32,510.90	\$203,620.90	\$74,628.00	\$14,179.32	\$88,807.32	\$110,781.00	\$131,829.39		
4134	Bajar rueda trasera y catarinas para cambio de sellos retenedores		UND	1	\$664,175.70	\$126,193.38	\$790,369.08	\$950,412.00	\$180,578.28	\$1,130,990.28	\$1,495,350.00	\$284,116.50	\$1,779,466.50	\$1,036,645.90	\$1,233,608.62		
4135	balde trasero		UND	1	\$1,214,602.00	\$230,774.38	\$1,445,376.38	\$1,567,425.00	\$297,810.75	\$1,865,235.75	\$857,212.80	\$162,870.43	\$1,020,083.23	\$1,213,079.93	\$1,443,565.12		
4136	Bujes del tunel que sujeta balde trasero		UND	1	\$779,529.00	\$148,110.51	\$927,639.51	\$430,335.60	\$81,763.76	\$512,099.36	\$572,903.00	\$108,851.57	\$681,754.57	\$594,255.87	\$707,164.48		
4137	soldada de tapas		UND	1	\$1,950,478.00	\$370,590.82	\$2,321,068.82	\$1,149,290.00	\$218,365.10	\$1,367,655.10	\$1,066,624.80	\$202,658.71	\$1,269,283.51	\$1,388,797.60	\$1,652,669.14		
4138	pintura pieza pequeña		UND	1	\$936,436.00	\$177,922.84	\$1,114,358.84	\$761,283.30	\$144,643.83	\$905,927.13	\$1,263,151.00	\$239,998.69	\$1,503,149.69	\$986,956.77	\$1,174,478.55		
4139	pintura pieza grande		UND	1	\$685,980.00	\$130,336.20	\$816,316.20	\$1,014,226.00	\$192,702.94	\$1,206,928.94	\$611,448.30	\$116,175.18	\$727,623.48	\$770,551.43	\$916,956.21		
4140	Pintura en pieza de la H		UND	1	\$428,674.20	\$81,448.10	\$510,122.30	\$106,396.00	\$115,975.24	\$726,371.24	\$1,082,239.00	\$205,625.41	\$1,287,864.41	\$777,103.07	\$841,452.65		
4141	Cambio pasador spool del control		UND	1	\$514,120.20	\$97,682.84	\$611,803.04	\$62									

ITEM	MOTONIVELADORA CATERPILLAR 120 K	UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION													
4152	Cambio mangueras cilindros estabilizadores	UND	1	\$486,430.00	\$92,421.70	\$578,851.70	\$971,815.00	\$184,644.85	\$1,156,459.85	\$396,748.35	\$75,382.19	\$472,130.54	\$618,331.12	\$735,814.03
4153	Cambio empaquetaduras y enfriador de aceite motor	UND	1	\$1,235,758.00	\$234,794.02	\$1,470,552.02	\$964,168.20	\$183,191.96	\$1,147,360.16	\$1,147,353.00	\$217,997.07	\$1,365,350.07	\$1,115,759.73	\$1,327,754.08
4154	combustible, filtros AK y gato timon	GLOBAL	1	\$6,385,492.00	\$1,213,243.48	\$7,598,735.48	\$3,501,024.00	\$665,194.56	\$4,166,218.56	\$3,458,687.40	\$657,150.61	\$4,115,838.01	\$4,448,401.13	\$5,293,597.35
4155	Remocion e instalacion soporte gato del balde delantero	UND	1	\$1,010,000.00	\$191,900.00	\$1,201,900.00	\$585,810.00	\$111,303.90	\$697,113.90	\$666,530.00	\$126,640.70	\$793,170.70	\$754,113.33	\$897,394.87
4156	Cambio de tubo estabilizador	UND	1	\$692,682.00	\$131,609.58	\$824,291.58	\$533,062.35	\$101,281.85	\$634,344.20	\$562,673.00	\$106,907.87	\$669,580.87	\$596,139.12	\$709,405.55
4157	Reconstruccion y metalizada pasador superior sillin	UND	1	\$1,089,585.90	\$207,021.32	\$1,296,607.22	\$1,914,403.00	\$363,736.57	\$2,278,139.57	\$1,456,980.00	\$276,826.20	\$1,733,806.20	\$1,486,989.63	\$1,769,517.66
4158	Reconstruccion y metalizada pasador inferior sillin	UND	1	\$1,693,130.00	\$321,694.70	\$2,014,824.70	\$1,766,028.00	\$335,545.32	\$2,101,573.32	\$1,130,502.15	\$214,795.41	\$1,345,297.56	\$1,529,886.72	\$1,820,565.19
4159	Bajar equipo trasero para cambio de bujes pasadores y ajuste	UND	1	\$3,652,956.00	\$694,061.64	\$4,347,017.64	\$2,604,249.90	\$494,807.48	\$3,099,057.38	\$3,114,907.00	\$591,832.33	\$3,706,739.33	\$3,124,037.63	\$3,717,604.78
4160	Desmontar el equipo delantero para cambio de bujes y pasadores	UND	1	\$4,918,537.00	\$934,522.03	\$5,853,059.03	\$3,392,622.00	\$644,598.18	\$4,037,220.18	\$2,502,416.70	\$475,459.17	\$2,977,875.87	\$3,604,525.23	\$4,289,385.03
4161	bujes	UND	1	\$4,920,715.00	\$934,935.85	\$5,855,650.85	\$2,638,939.00	\$501,398.41	\$3,140,337.41	\$2,297,979.00	\$436,616.01	\$2,734,595.01	\$3,285,877.67	\$3,910,194.42
4162	Desmontar valvula de presion de la bomba de inyeccion para mantenimiento	UND	1	\$2,242,319.00	\$426,040.61	\$2,668,359.61	\$1,119,220.20	\$212,651.84	\$1,331,872.04	\$1,284,388.00	\$244,033.72	\$1,528,421.72	\$1,548,642.40	\$1,842,884.46
4163	metalizada bases en torno eje trocha	UND	1	\$4,798,747.80	\$911,762.08	\$5,710,509.88	\$10,580,245.00	\$2,010,246.55	\$12,590,491.55	\$6,025,800.00	\$1,144,902.00	\$7,170,702.00	\$7,134,930.93	\$8,490,567.81
4164	reconstruccion de cono eje	UND	1	\$1,291,170.60	\$245,322.41	\$1,536,493.01	\$2,369,609.00	\$450,225.71	\$2,819,834.71	\$1,755,921.00	\$333,624.99	\$2,089,545.99	\$1,805,566.87	\$2,148,624.57
4165	mantenimiento	UND	1	\$870,462.00	\$165,387.78	\$1,035,849.78	\$712,208.25	\$135,319.57	\$847,527.82	\$797,880.00	\$151,597.20	\$949,477.20	\$793,516.75	\$944,284.93
4166	Servicio de grua en camabaja incluido cabezote precio por kilometros	UND	1	\$129,102.00	\$24,529.38	\$153,631.38	\$65,316.60	\$12,410.15	\$77,726.75	\$87,237.00	\$16,575.03	\$103,812.03	\$93,885.20	\$111,723.39
4167	REPROGRAMACION SISTEMA UREA	UND	1	\$3,465,888.00	\$658,518.72	\$4,124,406.72	\$5,797,826.00	\$1,101,586.94	\$6,899,412.94	\$4,435,270.00	\$842,701.30	\$5,277,971.30	\$4,566,328.00	\$5,433,930.32
4168	LIMPIEZA SISTEMA UREA	UND	1	\$6,520,555.00	\$1,238,905.45	\$7,759,460.45	\$8,310,509.00	\$1,578,996.71	\$9,889,505.71	\$6,968,611.00	\$1,324,036.09	\$8,292,647.09	\$7,266,558.33	\$8,647,204.42
4169	REPARACION SISTEMA UREA	UND	1	\$15,028,898.00	\$2,855,490.62	\$17,884,388.62	\$12,520,320.00	\$2,378,860.80	\$14,899,180.80	\$12,618,420.00	\$2,397,499.80	\$15,015,919.80	\$13,389,212.67	\$15,933,163.07
4170	REVISION SISTEMA ELECTRICO DPF	UND	1	\$4,580,320.00	\$870,260.80	\$5,450,580.80	\$10,604,791.00	\$2,014,910.29	\$12,619,701.29	\$5,735,573.00	\$1,089,758.87	\$6,825,331.87	\$6,973,561.33	\$8,298,537.99
	SUMINISTROS MANTENIMIENTO ALMACEN													
	DESCRIPCION	UNIDAD	CANT											
4171	ADBLU X 20 LITROS	UND	1	\$850,320.00	\$161,560.80	\$1,011,880.80	\$2,126,063.00	\$403,951.97	\$2,530,014.97	\$1,207,491.00	\$229,423.29	\$1,436,914.29	\$1,394,624.67	\$1,659,603.35
4172	ACEITE x LITROS PARA DE CAJA DE VELOCIDADES	UND	1	\$665,643.00	\$0.00	\$665,643.00	\$443,795.00	\$0.00	\$443,795.00	\$662,312.00	\$0.00	\$662,312.00	\$557,250.00	\$557,250.00
4173	ACEITE DIFERENCIAL 85W140 GARRAFA X 5 GLS	UND	1	\$1,254,860.00	\$0.00	\$1,254,860.00	\$1,356,040.00	\$0.00	\$1,356,040.00	\$1,231,710.00	\$0.00	\$1,231,710.00	\$1,280,870.00	\$1,280,870.00
4174	ACEITE 15W-40 5 GAL	UND	1	\$1,735,093.00	\$0.00	\$1,735,093.00	\$1,257,631.50	\$0.00	\$1,257,631.50	\$2,286,450.00	\$0.00	\$2,286,450.00	\$1,759,724.83	\$1,759,724.83
4175	Rachets para cadena 3/8	UND	1	\$1,210,466.00	\$229,988.54	\$1,440,454.54	\$910,673.00	\$173,027.87	\$1,083,700.87	\$836,587.44	\$158,951.61	\$995,539.05	\$985,908.81	\$1,173,231.49
4176	Bombillo H4 P43T 70/75 24V	UND	1	\$230,775.00	\$43,847.25	\$274,622.25	\$215,274.00	\$40,902.06	\$256,176.06	\$196,306.92	\$37,298.31	\$233,605.23	\$214,118.64	\$254,801.18
4177	Bombillo 158 muela pequeña 24v	UND	1	\$59,662.00	\$11,335.78	\$70,997.78	\$49,109.04	\$9,330.72	\$58,439.76	\$50,623.00	\$9,618.37	\$60,241.37	\$53,131.35	\$63,226.30
4178	Bombillo H3 24V	UND	1	\$423,422.00	\$80,450.18	\$503,872.18	\$194,262.84	\$36,909.94	\$231,172.78	\$267,937.00	\$50,908.03	\$318,845.03	\$295,207.28	\$351,296.66
4179	Valvulina 80W90 X tambor de 55 gls	UND	1	\$8,479,784.00	\$0.00	\$8,479,784.00	\$6,780,988.00	\$0.00	\$6,780,988.00	\$7,637,212.00	\$0.00	\$7,637,212.00	\$7,632,661.33	\$7,632,661.33
4180	Valvulina 85W140 X tambor de 55 gls	UND	1	\$9,754,750.00	\$0.00	\$9,754,750.00	\$7,586,319.60	\$0.00	\$7,586,319.60	\$18,873,816.00	\$0.00	\$18,873,816.00	\$12,071,628.53	\$12,071,628.53
4181	Acete motor 15w40 garrafa de 5gls	UND	1	\$1,735,093.00	\$0.00	\$1,735,093.00	\$1,257,631.50	\$0.00	\$1,257,631.50	\$2,286,450.00	\$0.00	\$2,286,450.00	\$1,759,724.83	\$1,759,724.83
4182	Acete transmision 879572 Garrafa de 5gls	UND	1	\$1,306,513.00	\$0.00	\$1,306,513.00	\$1,604,998.00	\$0.00	\$1,604,998.00	\$1,486,066.00	\$0.00	\$1,486,066.00	\$1,465,859.00	\$1,465,859.00
4183	Caneca de grasa litio x 16kts	UND	1	\$1,715,617.00	\$0.00	\$1,715,617.00	\$3,269,708.00	\$0.00	\$3,269,708.00	\$1,397,270.40	\$0.00	\$1,397,270.40	\$2,127,531.80	\$2,127,531.80
4184	Engrasadoras manuales (inyectores)	UND	1	\$851,146.00	\$161,717.74	\$1,012,863.74	\$625,198.00	\$118,787.62	\$743,985.62	\$472,229.10	\$89,723.53	\$561,952.63	\$649,524.37	\$772,934.00
4185	Bomba para extraer aceite	UND	1	\$1,912,748.00	\$363,422.12	\$2,276,170.12	\$758,562.84	\$144,126.94	\$902,689.78	\$1,032,666.00	\$196,206.54	\$1,228,872.54	\$1,234,658.95	\$1,469,244.15
4186	Pinta liquido de frenos	UND	1	\$74,179.00	\$14,094.01	\$88,273.01	\$37,412.28	\$7,108.33	\$44,520.61	\$46,400.00	\$8,816.00	\$55,216.00	\$52,663.76	\$62,669.87
4187	Liquido de frenos x cuartos	UND	1	\$85,303.44	\$16,207.65	\$101,511.09	\$134,097.00	\$25,478.43	\$159,575.43	\$94,671.00	\$17,987.49	\$112,658.49	\$104,690.48	\$124,581.67
4188	Refrigerante x 5 galones	UND	1	\$981,319.00	\$186,450.61	\$1,167,769.61	\$1,170,788.00	\$222,449.72	\$1,393,237.72	\$664,416.90	\$126,239.21	\$790,656.11	\$938,841.30	\$1,117,221.15
4189	Refrigerante x 1 galón	UND	1	\$56,352.00	\$10,706.88	\$67,058.88	\$47,929.00	\$9,106.51	\$57,035.51	\$46,226.70	\$8,783.07	\$55,009.77	\$50,169.23	\$59,701.39
4190	Pote de grasa Silbra	UND	1	\$77,648.76	\$0.00	\$77,648.76	\$160,764.00	\$0.00	\$160,764.00	\$103,999.00	\$0.00	\$103,999.00	\$114,137.25	\$114,137.25
4191	1.1/4 en cada punta.	UND	1	\$1,636,970.00	\$311,024.30	\$1,947,994.30	\$976,176.36	\$185,473.51	\$1,161,649.87	\$1,264,966.00	\$240,343.54	\$1,505,309.54	\$1,292,704.12	\$1,538,317.90
4192	Acete Hidráulico Caneca de 55 Galones	UND	1	\$11,512,153.00	\$0.00	\$11,512,153.00	\$8,315,279.10	\$0.00	\$8,315,279.10	\$18,203,891.00	\$0.00	\$18,203,891.00	\$12,677,107.70	\$12,677,107.70
4193	Acete hidraulico 68 x garrafa de 5 gls	UND	1	\$819,585.30	\$0.00	\$819,585.30	\$853,887.00	\$0.00	\$853,887.00	\$839,113.00	\$0.00	\$839,113.00	\$837,528.43	\$837,528.43
4194	Acete 15W40 para mantenimiento por tambor de 55 galones	UND	1	\$27,029,516.00	\$0.00	\$27,029,516.00	\$11,190,971.10	\$0.00	\$11,190,971.10	\$15,280,515.00	\$0.00	\$15,280,515.00	\$17,833,667.37	\$17,833,667.37
4195	Llantas delanteras 12.5 x 18 (16 lonas)	UND	1	\$5,490,830.00	\$1,043,257.70	\$6,534,087.70	\$7,498,506.00	\$1,424,716.14	\$8,923,222.14	\$14,432,093.00	\$2,742,097.67	\$17,174,190.67	\$9,140,476.33	\$10,877,166.84
4196	Llantas traseras 19.5 x 24 (16 lonas)	UND	1	\$8,900,935.00	\$1,691,177.65	\$10,592,112.65	\$16,850,880.00	\$3,201,667.20	\$20,052,547.20	\$10,369,270.00	\$1,970,161.30	\$12,339,431.30	\$12,040,361.67	\$14,328,030.38
4197	Llantas delanteras 14 x 17.5 (16 lonas)	UND	1	\$10,918,344.00	\$2,074,485.36	\$12,992,829.36	\$8,307,832.50	\$1,578,488.18	\$9,886,320.68	\$20,331,446.00	\$3,862,9,			

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUUESTOS		VR. UNITARIO SIN IVA			IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA
	DESCRIPCION															
4209	OXIGENO 700 LIBRAS		UND	1	\$320,990.00	\$60,988.10	\$381,978.10	\$508,888.00	\$96,688.72	\$605,576.72	\$359,237.00	\$68,255.03	\$427,492.03	\$396,371.67	\$471,682.28	
4210	AUTOMATICO DEL ARRANQUE KODIAK		UND	1	\$2,934,205.00	\$557,498.95	\$3,491,703.95	\$1,544,834.25	\$293,518.51	\$1,838,352.76	\$1,626,694.00	\$309,071.86	\$1,935,765.86	\$2,035,244.42	\$2,421,940.86	
4211	Cable # 16 x metro		UND	1	\$21,017.16	\$3,993.26	\$25,010.42	\$30,259.00	\$5,749.21	\$36,008.21	\$54,810.00	\$65,223.90	\$55,362.05	\$35,362.05	\$42,080.84	
4212	Bombillo 12v 2 contactos		UND	1	\$48,493.00	\$9,213.67	\$57,706.67	\$34,126.20	\$6,483.98	\$40,610.18	\$56,029.00	\$10,645.51	\$66,674.51	\$46,216.07	\$54,997.12	
4213	Paquete de amarres 25x210		UND	1	\$246,597.00	\$46,853.43	\$293,450.43	\$115,384.68	\$21,923.09	\$137,307.77	\$172,728.00	\$32,818.32	\$205,546.32	\$178,236.56	\$212,101.51	
4214	Manguera aire 3/8		UND	1	\$85,769.00	\$16,296.11	\$102,065.11	\$75,989.70	\$14,438.04	\$90,427.74	\$145,654.00	\$27,674.26	\$173,328.26	\$102,470.90	\$121,940.37	
4215	Manguera aire 1/4		UND	1	\$155,252.00	\$29,497.88	\$184,749.88	\$108,032.26	\$20,526.13	\$128,558.39	\$270,844.00	\$51,460.36	\$322,304.36	\$178,042.75	\$211,870.88	
4216	Caja de oring		UND	1	\$1,266,884.28	\$240,708.01	\$1,507,592.29	\$3,187,713.00	\$605,665.47	\$3,793,378.47	\$1,875,822.00	\$356,406.18	\$2,232,228.18	\$2,110,139.76	\$2,511,066.31	
4217	Sintesolda		UND	1	\$58,210.20	\$11,059.94	\$69,270.14	\$115,849.00	\$22,011.31	\$137,860.31	\$84,927.00	\$16,136.13	\$101,063.13	\$86,328.73	\$102,731.19	
4218	Trabarascas pequeño		UND	1	\$190,471.00	\$36,189.49	\$226,660.49	\$187,778.65	\$35,677.94	\$223,456.59	\$227,609.00	\$43,245.71	\$270,854.71	\$201,952.88	\$240,323.93	
4219	Lubricante aflojatodo		UND	1	\$122,626.80	\$0.00	\$122,626.80	\$223,909.00	\$0.00	\$223,909.00	\$133,602.00	\$0.00	\$133,602.00	\$160,045.93	\$160,045.93	
4220	Silicona Gris		UND	1	\$113,826.00	\$21,626.94	\$135,452.94	\$185,681.00	\$35,279.39	\$220,960.39	\$90,403.92	\$17,176.74	\$107,580.66	\$129,970.31	\$154,664.66	
4221	Lubricante Multiproposito		UND	1	\$181,090.80	\$0.00	\$181,090.80	\$186,764.00	\$0.00	\$186,764.00	\$277,322.00	\$0.00	\$277,322.00	\$215,058.93	\$215,058.93	
4222	Cinta teflon		UND	1	\$86,656.00	\$16,464.64	\$103,120.64	\$41,096.16	\$7,808.27	\$48,904.43	\$50,691.00	\$9,631.29	\$60,322.29	\$59,481.05	\$70,782.45	
4223	567 trabarascas		UND	1	\$346,616.00	\$65,857.04	\$412,473.04	\$189,203.00	\$36,948.57	\$225,151.57	\$168,632.28	\$32,401.13	\$200,672.41	\$234,817.09	\$279,432.94	
4224	Desengrasante por galon		UND	1	\$645,014.88	\$0.00	\$645,014.88	\$1,170,985.00	\$0.00	\$1,170,985.00	\$723,152.00	\$0.00	\$723,152.00	\$846,383.96	\$846,383.96	
4225	Eliminador de empaque		UND	1	\$78,333.00	\$14,883.27	\$93,216.27	\$121,961.00	\$23,096.59	\$144,657.59	\$53,597.29	\$10,183.49	\$63,780.78	\$84,497.10	\$100,551.55	
4226	Cadenas x 6 metros con rachets		UND	1	\$1,783,723.00	\$338,907.37	\$2,122,630.37	\$2,348,814.00	\$446,274.66	\$2,795,088.66	\$1,530,866.88	\$290,864.71	\$1,821,731.59	\$1,887,801.29	\$2,246,483.54	
4227	Bombillos 24v		UND	1	\$60,807.00	\$11,553.33	\$72,360.33	\$51,019.00	\$9,693.61	\$60,712.61	\$37,009.08	\$7,031.73	\$44,040.81	\$49,611.69	\$59,037.92	
4228	Pito Reversa		UND	1	\$1,450,505.00	\$275,595.95	\$1,726,100.95	\$1,293,523.20	\$245,769.41	\$1,539,292.61	\$2,735,345.00	\$519,715.55	\$3,255,060.55	\$1,826,457.73	\$2,173,484.70	
4229	Agua para bateria		UND	1	\$22,726.44	\$4,318.02	\$27,044.46	\$32,207.00	\$6,119.33	\$38,326.33	\$23,872.00	\$4,535.68	\$28,407.68	\$26,268.48	\$31,259.49	
4230	Retenedor LT500		UND	1	\$166,481.28	\$31,631.44	\$198,112.72	\$247,302.00	\$46,987.38	\$294,289.38	\$271,852.00	\$51,651.88	\$323,503.88	\$228,545.09	\$271,968.66	
4231	switch master		UND	1	\$1,046,016.72	\$198,743.18	\$1,244,759.90	\$1,172,857.00	\$222,842.83	\$1,395,699.83	\$2,026,431.00	\$385,021.89	\$2,411,452.89	\$1,415,101.57	\$1,683,970.87	
4232	Direccionales laterales led		UND	1	\$549,876.60	\$104,476.55	\$654,353.15	\$759,105.00	\$144,229.95	\$903,334.95	\$1,215,456.00	\$230,936.64	\$1,446,392.64	\$841,479.20	\$1,001,360.25	
4233	Exploradoras		UND	1	\$2,325,277.00	\$441,802.63	\$2,767,079.63	\$3,148,532.00	\$598,221.08	\$3,746,753.08	\$1,725,887.16	\$327,918.56	\$2,053,805.72	\$2,399,898.72	\$2,855,879.48	
4234	Bombillos 24v 158		UND	1	\$38,454.12	\$7,306.28	\$45,760.40	\$43,965.00	\$8,353.35	\$52,318.35	\$70,883.00	\$13,467.77	\$84,350.77	\$51,100.71	\$60,809.84	
4235	8980343240 lampara trasera derecha		UND	1	\$1,823,797.44	\$346,521.51	\$2,170,318.95	\$2,514,045.00	\$477,668.55	\$2,991,713.55	\$3,465,664.00	\$658,476.16	\$4,124,140.16	\$2,601,168.81	\$3,095,390.89	
4236	8980343250 lampara trasera izquierda		UND	1	\$3,731,730.00	\$709,028.70	\$4,440,758.70	\$1,861,303.68	\$353,647.70	\$2,214,951.38	\$1,967,909.00	\$373,902.71	\$2,341,811.71	\$2,520,314.23	\$2,999,173.93	
4237	Bombillo H3 24V		UND	1	\$201,270.24	\$38,241.35	\$239,511.59	\$286,982.00	\$54,526.58	\$341,508.58	\$297,558.00	\$56,536.02	\$354,094.02	\$261,936.75	\$311,704.73	
4238	Bombillo 1034 24v		UND	1	\$47,564.00	\$9,037.16	\$56,601.16	\$39,576.96	\$7,519.62	\$47,096.58	\$55,130.00	\$10,474.70	\$65,604.70	\$47,423.65	\$56,434.15	
4239	Bombillo 12v 1 contacto		UND	1	\$50,453.00	\$9,586.07	\$60,039.07	\$73,322.00	\$13,931.18	\$87,253.18	\$40,434.48	\$7,682.55	\$48,117.03	\$54,736.49	\$65,136.43	
4240	Trabarascas 50 ml		UND	1	\$183,786.98	\$34,919.53	\$218,706.51	\$499,667.00	\$94,936.73	\$594,603.73	\$262,402.00	\$49,856.38	\$312,258.38	\$315,285.33	\$375,189.54	
4241	Bombillos 24v 158		UND	1	\$47,078.00	\$8,944.82	\$56,022.82	\$36,102.96	\$6,859.56	\$42,962.52	\$68,520.00	\$13,018.80	\$81,538.80	\$50,566.99	\$60,174.71	
4242	Switch codillo		UND	1	\$135,723.00	\$25,787.37	\$161,510.37	\$134,829.36	\$25,617.58	\$160,446.94	\$189,561.00	\$36,016.59	\$225,577.59	\$153,371.12	\$182,511.63	
4243	Abrazadera 3/8		UND	1	\$29,376.72	\$5,581.58	\$34,958.30	\$43,262.00	\$8,219.78	\$51,481.78	\$36,347.00	\$6,905.93	\$43,252.93	\$36,328.57	\$43,231.00	
4244	Graseras 1/8"		UND	1	\$37,127.00	\$7,054.13	\$44,181.13	\$25,382.88	\$4,822.75	\$30,205.63	\$70,538.00	\$13,402.22	\$83,940.22	\$44,349.29	\$52,775.66	
4245	Bombillo H4 P43T 70/75 24V		UND	1	\$508,276.00	\$96,572.44	\$604,848.44	\$190,158.84	\$36,130.18	\$226,289.02	\$284,129.00	\$53,984.51	\$338,113.51	\$327,521.28	\$389,750.32	
4246	Bombillo 158 muela pequeña 24v		UND	1	\$69,672.00	\$13,237.68	\$82,909.68	\$129,952.00	\$24,690.88	\$154,642.88	\$47,055.24	\$8,940.50	\$55,995.74	\$82,226.41	\$97,849.43	
4247	Aceite SAE 50 55 gls		UND	1	\$13,201,022.00	\$0.00	\$13,201,022.00	\$19,233,053.00	\$0.00	\$19,233,053.00	\$10,389,861.60	\$0.00	\$10,389,861.60	\$14,274,645.53	\$14,274,645.53	
4248	Cadena de 8 mts 3/8 certificada		UND	1	\$2,083,632.00	\$395,890.08	\$2,479,522.08	\$1,404,977.04	\$266,945.64	\$1,671,922.68	\$3,355,330.00	\$637,512.70	\$3,992,842.70	\$2,281,313.01	\$2,714,762.49	
4249	varilla pulgada x 6 mt (item)		UND	1	\$1,598,235.00	\$303,664.65	\$1,901,899.65	\$1,430,087.00	\$271,716.53	\$1,701,803.53	\$977,692.32	\$185,761.54	\$1,163,453.86	\$1,335,338.11	\$1,589,052.35	
4250	soldadura x kg		UND	1	\$126,619.00	\$24,057.61	\$150,676.61	\$100,260.00	\$19,049.40	\$119,309.40	\$170,862.00	\$32,463.78	\$203,325.78	\$132,580.33	\$157,770.60	
4251	disco de corte		UND	1	\$162,919.00	\$30,954.61	\$193,873.61	\$116,533.00	\$22,141.27	\$138,674.27	\$81,176.85	\$15,423.60	\$96,600.45	\$120,209.62	\$143,049.44	
4252	soldadura 7018 x 5 kg		UND	1	\$633,094.00	\$120,287.86	\$753,381.86	\$501,299.00	\$95,246.81	\$596,545.81	\$854,312.00	\$162,319.28	\$1,016,631.28	\$662,901.67	\$788,852.98	
4253	SOLDADURA 6013 532 POR KILOS		UND	1	\$2,564,110.00	\$487,180.90	\$3,051,290.90	\$1,149,216.75	\$218,351.18	\$1,367,567.93	\$1,335,611.00	\$253,766.09	\$1,589,377.09	\$1,682,979.25	\$2,002,745.31	
4254	varilla 1 x 6 mts corrugada		UND	1	\$2,030,996.00	\$385,889.24	\$2,416,885.24	\$830,017.08	\$157,703.25	\$987,720.33	\$1,152,233.00	\$218,924.27	\$1,371,157.27	\$1,337,748.69	\$1,591,920.95	
4255	FABRICACION ARANDELAS MILIMETRICAS		UND	1	\$1,121,966.00	\$213,173.54	\$1,335,139.54	\$456,339.60	\$86,704.52	\$543,044.12	\$544,756.00	\$109,203.64	\$683,959.64	\$717,687.20	\$854,047.77	
4256	PORTAELECTRODOS 500 AMPS		UND	1	\$1,507,476.00	\$286,420.44	\$1,793,896.44	\$1,881,897.00	\$357,560.43	\$2,239,457.43	\$1,248,543.80	\$256,223.32	\$1,604,767.12	\$1,579,305.60	\$1,879,373.66	
4257	Manguera engrasar con boquilla		UND	1	\$257,837.00	\$48,989.03	\$306,826.03	\$176,861.07	\$33,603.80	\$210,464.87	\$255,760.00	\$48,594.40	\$304,354.40	\$230,152.69	\$273,881.70	
	DESCRIPCION		UNIDAD	CANT												
4258	PINTURA GENERAL		UND	1	\$7,137,511.00	\$1,356,127.09	\$8,493,638.09	\$6,624,729.74	\$1,258,698.65	\$7,883,428.39	\$12,004,487.00	\$2,280,852.53	\$14,285,339.53	\$8,588,909.25	\$10,220,802.00	
4259	PINTURA PIEZA GRANDE		UND	1	\$1,292,384.81	\$245,553.11	\$1,537,937.92	\$1,502,110.00	\$285,400.90	\$1,787,510.90	\$1,441,518.00	\$273,888.42	\$1,715,406.42	\$1,412,004.27	\$1,680,285.08	
4260	PINTURA PIEZA MEDIANA		UND	1												

ÍTEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION														
4266	BIELA DIRECCIÓN		UND	1	\$5,637,140.00	\$1,071,056.60	\$6,708,196.60	\$4,090,530.27	\$777,200.75	\$4,867,731.02	\$9,342,485.00	\$1,775,072.15	\$11,117,557.15	\$6,356,718.42	\$7,564,494.92
4267	BIELA MOTOR		UND	1	\$10,921,623.00	\$2,075,108.37	\$12,996,731.37	\$5,551,819.07	\$1,054,845.62	\$6,606,664.69	\$6,917,637.00	\$1,314,351.03	\$8,231,988.03	\$7,797,026.36	\$9,278,461.36
4268	BLOWER		UND	1	\$3,433,225.00	\$652,312.75	\$4,085,537.75	\$2,459,491.00	\$467,303.29	\$2,926,794.29	\$2,423,608.01	\$460,485.52	\$2,884,093.53	\$2,772,108.00	\$3,298,808.52
4269	BOBINA ENCENDIDO		UND	1	\$1,842,764.00	\$350,125.16	\$2,192,889.16	\$1,502,898.27	\$285,550.67	\$1,788,448.94	\$1,592,177.00	\$302,513.63	\$1,894,690.63	\$1,645,946.42	\$1,958,676.24
4270	BOCÍN RUEDA		UND	1	\$688,780.93	\$130,868.38	\$819,649.31	\$983,612.00	\$186,886.28	\$1,170,498.28	\$810,938.00	\$154,078.22	\$965,016.22	\$827,776.98	\$985,054.60
4271	BOMBA DE ACEITE		UND	1	\$694,615.13	\$131,976.88	\$826,592.01	\$1,437,633.00	\$273,150.27	\$1,710,783.27	\$808,176.00	\$153,553.44	\$961,729.44	\$980,141.38	\$1,166,368.24
4272	BOMBA DE AGUA		UND	1	\$1,294,196.00	\$245,897.24	\$1,540,093.24	\$2,305,775.00	\$438,097.25	\$2,743,872.25	\$1,199,301.64	\$227,867.31	\$1,427,168.95	\$1,599,757.55	\$1,903,711.48
4273	BOMBA DE FRENO		UND	1	\$7,131,917.00	\$1,355,064.23	\$8,486,981.23	\$4,248,721.77	\$807,257.14	\$5,055,978.91	\$4,360,748.00	\$828,542.12	\$5,189,290.12	\$5,247,128.92	\$6,244,083.42
4274	BOMBA DE VACÍO		UND	1	\$4,172,006.18	\$792,681.17	\$4,964,687.35	\$12,170,513.00	\$2,312,397.47	\$14,482,910.47	\$6,094,076.00	\$1,157,874.44	\$7,251,950.44	\$7,478,865.06	\$8,899,849.42
4275	BOMBA DIRECCIÓN		UND	1	\$10,819,220.00	\$2,055,651.80	\$12,874,871.80	\$6,153,439.95	\$1,169,153.59	\$7,322,593.54	\$7,968,001.00	\$1,513,920.19	\$9,481,921.19	\$8,313,553.65	\$9,893,128.84
4276	BOTELLA CARDAN CENTRAL		UND	1	\$5,453,218.75	\$1,036,111.56	\$6,489,330.31	\$7,590,075.00	\$1,442,114.25	\$9,032,189.25	\$8,930,091.00	\$1,696,717.29	\$10,626,808.29	\$7,324,461.58	\$8,716,109.28
4277	BRAZO COMPENSADOR		UND	1	\$800,139.00	\$152,026.41	\$952,165.41	\$1,349,293.00	\$256,365.67	\$1,605,658.67	\$714,901.07	\$135,831.20	\$850,732.27	\$954,777.69	\$1,136,185.45
4278	BRAZO PLUMILLA		UND	1	\$262,751.45	\$49,922.77	\$312,674.22	\$318,863.00	\$60,583.97	\$379,446.97	\$626,421.00	\$119,019.99	\$745,440.99	\$402,678.48	\$479,187.39
4279	BRONCE SINCRONIZADOR 1A-		UND	1	\$481,659.54	\$91,515.31	\$573,174.85	\$584,838.00	\$111,119.22	\$695,957.22	\$989,465.00	\$187,998.35	\$1,177,463.35	\$685,320.85	\$815,531.81
4280	BRONCE SINCRONIZADOR 3A-4A		UND	1	\$1,099,535.00	\$208,911.65	\$1,308,446.65	\$702,112.00	\$133,401.28	\$835,513.28	\$558,341.86	\$106,084.95	\$664,426.81	\$786,662.95	\$936,128.91
4281	BRONCE SINCRONIZADOR 5A-		UND	1	\$556,889.00	\$105,808.91	\$662,697.91	\$918,748.00	\$174,562.12	\$1,093,310.12	\$490,156.25	\$93,129.69	\$583,285.94	\$655,264.42	\$779,764.66
4282	BUJE BALANCÍN MUELLE		UND	1	\$241,550.00	\$45,894.50	\$287,444.50	\$404,102.00	\$76,779.38	\$480,881.38	\$220,647.76	\$41,923.07	\$262,570.83	\$288,766.59	\$343,632.24
4283	BUJE BARRA ESTABILIZADORA		UND	1	\$294,044.00	\$55,868.36	\$349,912.36	\$203,017.53	\$38,573.33	\$241,590.86	\$496,732.00	\$94,379.08	\$591,111.08	\$331,264.51	\$394,204.77
4284	BUJE MUELLE		UND	1	\$296,442.00	\$56,323.98	\$352,765.98	\$224,725.83	\$42,697.91	\$267,423.74	\$497,250.00	\$94,477.50	\$591,727.50	\$339,472.61	\$403,972.41
4285	BUJE TUERA		UND	1	\$512,199.11	\$97,317.83	\$609,516.94	\$583,407.00	\$110,847.33	\$694,254.33	\$699,385.00	\$132,883.15	\$832,268.15	\$598,330.37	\$712,013.14
4286	BUJIA		UND	1	\$193,507.28	\$36,766.38	\$230,273.66	\$295,890.00	\$56,219.10	\$352,109.10	\$268,610.00	\$51,035.90	\$319,645.90	\$252,669.09	\$300,676.22
4287	CASQUETES DE BANCADA		UND	1	\$648,381.00	\$123,192.39	\$771,573.39	\$702,204.00	\$133,418.76	\$835,622.76	\$564,096.21	\$107,178.28	\$671,274.49	\$638,227.07	\$759,490.21
4288	CASQUETES DE BIELA MOTOR		UND	1	\$549,001.00	\$104,310.19	\$653,311.19	\$479,398.00	\$91,085.62	\$570,483.62	\$410,192.73	\$77,936.62	\$488,129.35	\$479,530.58	\$570,641.39
4289	CAUCHO CARDAN		UND	1	\$1,041,664.00	\$197,916.16	\$1,239,580.16	\$1,404,290.00	\$266,815.10	\$1,671,105.10	\$729,168.72	\$138,542.06	\$867,710.78	\$1,058,374.24	\$1,259,465.35
4290	CIGÜENAL MOTOR		UND	1	\$22,363,087.00	\$4,248,986.53	\$26,612,073.53	\$13,637,147.13	\$2,591,057.95	\$16,228,205.08	\$17,141,265.00	\$3,256,840.35	\$20,398,105.35	\$17,713,833.04	\$21,079,461.32
4291	COMPRESOR AIRE ACONDICIONADO		UND	1	\$6,681,755.75	\$1,269,533.59	\$7,951,289.34	\$9,009,629.00	\$1,711,829.51	\$10,721,458.51	\$11,683,234.00	\$2,219,614.46	\$13,903,048.46	\$9,124,872.92	\$10,858,598.77
4292	CONDENSADOR AIRE ACONDICIONADO		UND	1	\$2,211,624.00	\$420,208.56	\$2,631,832.56	\$2,178,520.00	\$413,918.80	\$2,592,438.80	\$2,044,090.57	\$388,377.21	\$2,432,467.78	\$2,144,744.86	\$2,552,246.38
4293	CORREA ACCESORIO		UND	1	\$1,134,964.00	\$215,643.16	\$1,350,607.16	\$918,500.59	\$174,515.11	\$1,093,015.70	\$2,015,755.00	\$382,993.45	\$2,398,748.45	\$1,356,406.53	\$1,614,123.77
4294	CRUCETA CARDAN		UND	1	\$432,925.99	\$82,255.94	\$515,181.93	\$535,180.00	\$101,684.20	\$636,864.20	\$591,422.00	\$112,370.18	\$703,792.18	\$519,842.66	\$618,612.77
4295	CULATA MOTOR		UND	1	\$43,551,882.00	\$8,274,857.58	\$51,826,739.58	\$23,682,439.00	\$4,499,663.41	\$28,182,102.41	\$16,467,365.30	\$3,128,799.41	\$19,596,164.71	\$27,900,562.10	\$33,201,668.90
4296	DE FILTRO AIRE ACONDICIONADO		UND	1	\$389,349.00	\$73,976.31	\$463,325.31	\$318,312.70	\$60,479.41	\$378,792.11	\$541,556.00	\$102,895.64	\$644,451.64	\$416,405.90	\$495,523.02
4297	DEPOSITO BOMBA DE FRENO		UND	1	\$1,996,307.00	\$379,298.33	\$2,375,605.33	\$1,734,504.10	\$329,555.78	\$2,064,059.88	\$1,875,044.00	\$356,258.36	\$2,231,302.36	\$1,868,618.37	\$2,223,655.86
4298	DISCO DE FRENO		UND	1	\$2,765,588.00	\$525,461.72	\$3,291,049.72	\$1,750,764.58	\$332,645.27	\$2,083,409.85	\$2,275,967.00	\$432,433.73	\$2,708,400.73	\$2,264,106.53	\$2,694,286.77
4299	EJE TRASERO		UND	1	\$3,207,307.90	\$609,388.50	\$3,816,696.40	\$6,390,665.00	\$1,214,226.35	\$7,604,891.35	\$4,183,605.00	\$794,884.95	\$4,978,489.95	\$4,593,859.30	\$5,466,692.57
4300	EMPAQUE CARTER		UND	1	\$492,112.00	\$93,501.28	\$585,613.28	\$331,697.06	\$63,022.44	\$394,719.50	\$825,370.00	\$156,820.30	\$982,190.30	\$549,726.35	\$654,174.36
4301	EMPAQUE CULATA		UND	1	\$1,961,547.00	\$372,693.93	\$2,334,240.93	\$790,239.79	\$150,145.56	\$940,385.35	\$1,060,277.00	\$201,452.63	\$1,261,729.63	\$1,270,687.93	\$1,512,118.64
4302	EMPAQUE DE MORDAZA		UND	1	\$528,203.00	\$100,358.57	\$628,561.57	\$334,153.75	\$63,489.21	\$397,642.96	\$371,665.00	\$70,616.35	\$442,281.35	\$411,340.58	\$489,495.29
4303	EMPAQUE MÚLTIPLE DE ADMISIÓN		UND	1	\$406,466.00	\$77,228.54	\$483,694.54	\$346,453.00	\$65,826.07	\$412,279.07	\$338,053.97	\$64,230.25	\$402,284.22	\$363,657.66	\$432,752.61
4304	EMPAQUE MÚLTIPLE DE ESCAPE		UND	1	\$625,955.00	\$118,931.45	\$744,886.45	\$359,835.00	\$68,368.65	\$428,203.65	\$296,195.04	\$56,277.06	\$352,472.10	\$427,328.35	\$508,520.73
4305	EMPAQUE SALIDA EXOSTO		UND	1	\$302,441.00	\$57,463.79	\$359,904.79	\$269,980.78	\$51,296.35	\$321,277.13	\$460,560.00	\$87,506.40	\$548,066.40	\$344,327.26	\$409,749.44
4306	EMPAQUE TAPON ACEITE		UND	1	\$526,490.00	\$100,033.10	\$626,523.10	\$387,677.03	\$73,658.64	\$461,335.67	\$788,270.00	\$149,771.30	\$938,041.30	\$567,479.01	\$675,300.02
4307	EMPAQUETADURA MOTOR		UND	1	\$3,673,931.00	\$698,046.89	\$4,371,977.89	\$2,579,243.44	\$490,056.25	\$3,069,299.69	\$3,576,160.00	\$679,470.40	\$4,255,630.40	\$3,276,444.81	\$3,898,969.33
4308	ESCOBILLAS ALTERNADOR		UND	1	\$272,931.00	\$51,856.89	\$324,787.89	\$277,247.00	\$52,676.93	\$329,923.93	\$261,331.87	\$49,653.06	\$310,984.93	\$270,503.29	\$321,898.92
4309	EXPLORADORA		UND	1	\$3,197,178.95	\$607,464.00	\$3,804,642.95	\$5,392,403.00	\$1,024,556.57	\$6,416,959.57	\$3,655,047.00	\$694,458.93	\$4,349,505.93	\$4,081,542.98	\$4,857,036.15
4310	FILTRO ACEITE MOTOR		UND	1	\$373,721.37	\$71,007.06	\$444,728.43	\$526,426.00	\$100,020.94	\$626,446.94	\$1,011,750.00	\$192,232.50	\$1,203,982.50	\$637,299.12	\$758,385.96
4311	FILTRO AIRE		UND	1	\$521,374.00	\$99,061.06	\$620,435.06	\$292,660.66	\$55,605.53	\$348,266.19	\$399,436.00	\$68,292.84	\$427,728.84	\$391,156.89	\$465,476.70
4312	FILTRO DE COMBUSTIBLE		UND	1	\$666,114.00	\$126,561.66	\$792,675.66	\$447,418.36	\$85,009.49	\$532,427.85	\$690,862.00	\$131,263.78	\$822,125.78	\$601,464.79	\$715,743.10
4313	FILTROS DE ACEITE		UND	1	\$687,898.00	\$130,700.62	\$818,598.62	\$388,102.00	\$73,739.38	\$461,841.38	\$277,241.51	\$52,675.89	\$329,917.40	\$451,080.50	\$536,785.80
4314	FLANCHE CARDAN		UND	1	\$727,756.00	\$138,273.64	\$866,029.64	\$587,639.30	\$111,651.47	\$699,290.77	\$1,211,525.00	\$230,189.75	\$1,441,714.75	\$842,306.77	\$1,002,345.05
4315	FLASHER DIRECCIONAL		UND	1	\$187,678.05	\$35,658.83	\$223,336.88	\$218,322.00	\$41,481.18	\$259,803.18	\$425,702.00	\$80,883.38	\$506,585.38	\$277,234.02	

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO				
	REPUESTOS					VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA			
	DESCRIPCION																		
4325	JUEGO CALIPER MORDAZA					UND	1	\$557,164.00	\$105,861.16	\$663,025.16	\$300,000.92	\$57,000.17	\$357,001.09	\$370,227.00	\$70,343.13	\$440,570.13	\$409,130.64	\$486,865.46	
4326	JUEGO DE ANILLOS					UND	1	\$1,315,379.96	\$249,922.19	\$1,565,302.15	\$1,695,567.00	\$322,157.73	\$2,017,724.73	\$1,986,037.00	\$377,347.03	\$2,363,384.03	\$1,665,661.32	\$1,982,136.97	
4327	JUEGO DE BANDAS FRENO EMERGENCIA					UND	1	\$1,265,102.00	\$240,369.38	\$1,505,471.38	\$2,029,016.00	\$385,513.04	\$2,414,529.04	\$1,010,335.83	\$191,963.81	\$1,202,299.64	\$1,434,817.94	\$1,707,433.35	
4328	JUEGO DE CAMISAS					UND	1	\$2,149,689.45	\$408,441.00	\$2,558,130.45	\$5,481,452.00	\$1,041,475.88	\$6,522,927.88	\$2,912,896.00	\$553,450.24	\$3,466,346.24	\$3,514,679.15	\$4,182,468.19	
4329	JUEGO DE MEDIALUNAS CIGÜEÑAL					UND	1	\$914,639.81	\$173,781.56	\$1,088,421.37	\$1,312,265.00	\$249,330.35	\$1,561,595.35	\$1,841,794.00	\$349,940.86	\$2,191,734.86	\$1,356,232.94	\$1,613,917.19	
4330	JUEGO DE OBTURADORES					UND	1	\$1,155,171.53	\$219,482.59	\$1,374,654.12	\$1,181,032.00	\$224,396.08	\$1,405,428.08	\$2,076,816.00	\$394,595.04	\$2,471,411.04	\$1,471,006.51	\$1,750,497.75	
4331	JUEGO DE PISTONES					UND	1	\$2,792,304.61	\$530,537.88	\$3,322,842.49	\$2,914,446.00	\$553,744.74	\$3,468,190.74	\$3,810,474.00	\$723,990.06	\$4,534,464.06	\$3,172,408.20	\$3,775,165.76	
4332	JUEGO ESCOBILLAS ARRANQUE					UND	1	\$202,095.85	\$38,398.21	\$240,494.06	\$300,087.00	\$57,016.53	\$357,103.53	\$499,130.00	\$94,834.70	\$593,964.70	\$333,770.95	\$397,187.43	
4333	JUEGO IMPULSADORES					UND	1	\$760,962.00	\$144,582.78	\$905,544.78	\$1,014,516.00	\$192,758.04	\$1,207,274.04	\$521,619.30	\$99,107.67	\$620,726.97	\$765,699.10	\$911,181.93	
4334	JUEGO PASTILLAS FRENO					UND	1	\$875,489.29	\$166,342.97	\$1,041,832.26	\$1,543,150.00	\$293,198.50	\$1,836,348.50	\$984,197.00	\$186,997.43	\$1,171,194.43	\$1,134,278.76	\$1,349,791.73	
4335	JUEGO PLUMILLAS					UND	1	\$253,547.05	\$48,173.94	\$301,720.99	\$458,259.00	\$87,069.21	\$545,328.21	\$316,963.00	\$60,222.97	\$377,185.97	\$342,923.02	\$408,078.39	
4336	JUEGO PUNTILLA FRENO					UND	1	\$109,221.00	\$20,751.99	\$129,972.99	\$79,954.62	\$15,191.38	\$95,146.00	\$189,382.00	\$35,982.58	\$225,364.58	\$126,185.87	\$150,161.19	
4337	JUEGO SELLO VALVULAS X 16 UNIDADES					UND	1	\$1,080,322.50	\$205,261.27	\$1,285,583.77	\$1,242,176.00	\$236,013.44	\$1,478,189.44	\$2,458,515.00	\$467,117.85	\$2,925,632.85	\$1,593,671.17	\$1,896,468.69	
4338	JUEGO VALVULAS ADMISION					UND	1	\$1,527,803.00	\$290,282.57	\$1,818,085.57	\$2,418,539.00	\$459,522.41	\$2,878,061.41	\$1,104,169.91	\$209,792.28	\$1,313,962.19	\$1,683,503.97	\$2,003,369.72	
4339	JUEGO VALVULAS ESCAPE					UND	1	\$2,066,383.00	\$392,612.77	\$2,458,995.77	\$2,766,646.00	\$525,662.74	\$3,292,308.74	\$1,702,700.61	\$323,513.12	\$2,026,213.73	\$2,178,576.54	\$2,592,506.08	
4340	KIT MORDAZA					UND	1	\$519,936.00	\$98,787.84	\$618,723.84	\$684,363.00	\$130,028.97	\$814,391.97	\$425,014.08	\$80,752.68	\$505,766.76	\$543,104.36	\$646,294.19	
4341	KIT PUNTA/BOTELLA CARDAN					UND	1	\$5,396,005.01	\$1,025,240.95	\$6,421,245.96	\$5,509,651.00	\$1,046,833.69	\$6,556,484.69	\$8,929,881.00	\$1,696,677.39	\$10,626,558.39	\$6,611,845.67	\$7,868,096.35	
4342	MANGUERA DE ALTA PRESIÓN AIRE ACONDICIONADO					UND	1	\$1,725,102.00	\$327,769.38	\$2,052,871.38	\$2,075,811.00	\$394,404.09	\$2,470,215.09	\$1,320,436.00	\$250,882.84	\$1,571,318.84	\$1,707,116.33	\$2,031,468.44	
4343	MANGUERA DE BAJA PRESIÓN AIRE ACONDICIONADO					UND	1	\$3,388,993.00	\$643,908.67	\$4,032,901.67	\$1,385,694.00	\$263,281.86	\$1,648,975.86	\$1,765,505.00	\$335,445.95	\$2,100,950.95	\$2,180,064.00	\$2,594,276.16	
4344	MANGUERA ENFRIADOR					UND	1	\$589,892.00	\$112,079.48	\$701,971.48	\$424,951.29	\$80,740.75	\$505,692.04	\$1,005,816.00	\$191,105.04	\$1,196,921.04	\$673,553.10	\$801,528.19	
4345	MANGUERA FRENO					UND	1	\$391,970.00	\$74,474.30	\$466,444.30	\$347,595.77	\$66,043.20	\$413,638.97	\$616,383.00	\$117,112.77	\$733,495.77	\$451,982.92	\$537,859.68	
4346	MANGUERA SUPERIOR E INFERIOR					UND	1	\$674,827.00	\$128,217.13	\$803,044.13	\$1,250,663.00	\$237,625.97	\$1,488,288.97	\$476,640.46	\$90,561.69	\$567,202.15	\$800,710.15	\$952,845.08	
4347	MORDAZA FRENO LH-RH					UND	1	\$9,630,956.00	\$1,829,881.64	\$11,460,837.64	\$6,503,799.74	\$1,235,721.95	\$7,739,521.69	\$10,832,914.00	\$2,058,253.66	\$12,891,167.66	\$8,989,223.25	\$10,697,175.66	
4348	MOTOR ARRANQUE					UND	1	\$3,483,661.68	\$661,895.72	\$4,145,557.40	\$7,952,002.00	\$1,510,880.38	\$9,462,882.38	\$4,889,340.00	\$928,974.60	\$5,818,314.60	\$5,441,667.89	\$6,475,584.79	
4349	MOTOR LIMPIA BRISAS					UND	1	\$2,489,971.00	\$473,094.49	\$2,963,065.49	\$2,993,858.00	\$568,833.02	\$3,562,691.02	\$1,682,835.41	\$319,738.73	\$2,002,574.14	\$2,388,888.14	\$2,842,776.88	
4350	MUÑECO BARRA ESTABILIZADORA					UND	1	\$570,029.00	\$108,305.51	\$678,334.51	\$530,110.00	\$100,720.90	\$630,830.90	\$554,901.00	\$105,431.19	\$660,332.19	\$551,680.00	\$656,499.20	
4351	ORING SELLO					UND	1	\$166,518.26	\$31,638.47	\$198,156.73	\$212,721.00	\$40,416.99	\$253,137.99	\$410,205.00	\$77,938.95	\$488,143.95	\$263,148.09	\$313,146.22	
4352	PASADOR TUJERA					UND	1	\$264,595.10	\$50,273.07	\$314,868.17	\$289,697.00	\$51,242.43	\$320,939.43	\$394,643.00	\$74,982.17	\$469,625.17	\$309,645.03	\$368,477.59	
4353	PERA FRENO					UND	1	\$638,720.00	\$121,356.80	\$760,076.80	\$454,901.23	\$86,431.23	\$541,332.46	\$467,383.00	\$88,802.77	\$556,185.77	\$520,334.74	\$619,198.34	
4354	PERA PRESOSTATICA					UND	1	\$774,653.00	\$147,184.07	\$921,837.07	\$635,394.00	\$120,724.86	\$756,118.86	\$426,193.16	\$80,976.70	\$507,169.86	\$612,080.05	\$728,375.26	
4355	PERA REVERSO					UND	1	\$666,994.89	\$107,729.03	\$774,723.92	\$614,549.00	\$116,764.31	\$731,313.31	\$703,408.00	\$133,647.52	\$837,055.52	\$628,317.30	\$747,697.58	
4356	PERA TEMPERATURA					UND	1	\$457,680.52	\$86,959.30	\$544,639.82	\$723,270.00	\$137,421.30	\$860,691.30	\$486,889.00	\$92,508.91	\$579,397.91	\$555,946.51	\$661,576.34	
4357	PERNO RUEDA					UND	1	\$188,304.00	\$35,777.76	\$224,081.76	\$166,101.85	\$31,559.35	\$197,661.20	\$285,235.00	\$54,194.65	\$339,429.65	\$213,213.62	\$253,724.20	
4358	PILA CONTROL					UND	1	\$209,273.00	\$39,761.87	\$249,034.87	\$102,326.41	\$19,442.02	\$121,768.43	\$127,575.00	\$24,239.25	\$151,814.25	\$146,391.47	\$174,205.85	
4359	PIN CACHO					UND	1	\$196,059.00	\$37,251.21	\$233,310.21	\$153,825.68	\$29,226.88	\$183,052.56	\$225,508.00	\$42,846.52	\$268,354.52	\$191,797.56	\$228,239.10	
4360	PIÑÓN SINCRONIZADOR 2A					UND	1	\$1,845,842.00	\$350,709.98	\$2,196,551.98	\$1,549,922.29	\$294,485.24	\$1,844,407.53	\$1,755,062.00	\$333,461.78	\$2,088,523.78	\$1,716,942.10	\$2,043,161.10	
4361	PIÑÓN SINCRONIZADOR 3A-4A					UND	1	\$1,851,747.00	\$351,831.93	\$2,203,578.93	\$1,571,202.58	\$298,528.49	\$1,869,731.07	\$2,928,744.00	\$556,461.36	\$3,485,205.36	\$2,117,231.19	\$2,519,505.12	
4362	PIÑÓN SINCRONIZADOR 5A-REVERSA					UND	1	\$1,520,300.00	\$288,857.00	\$1,809,157.00	\$2,563,655.00	\$487,094.45	\$3,050,749.45	\$1,236,367.24	\$234,909.78	\$1,471,277.02	\$1,773,440.75	\$2,110,394.49	
4363	PISTÓN MORDAZA					UND	1	\$716,586.00	\$136,151.34	\$852,737.34	\$632,171.88	\$120,112.66	\$752,284.54	\$716,575.00	\$136,149.25	\$852,724.25	\$688,444.29	\$819,248.71	
4364	PORTA DIODOS ALTERNADOR					UND	1	\$989,288.00	\$187,964.72	\$1,177,252.72	\$546,298.40	\$103,796.70	\$650,095.10	\$778,808.00	\$147,973.52	\$926,781.52	\$771,464.80	\$918,043.11	
4365	PUNTA EJE LADO RUEDA					UND	1	\$761,525.78	\$144,689.90	\$906,215.68	\$1,128,478.00	\$214,410.82	\$1,342,888.82	\$1,505,156.00	\$285,979.64	\$1,791,135.64	\$1,131,719.93	\$1,346,746.71	
4366	RACOR MORDAZA					UND	1	\$163,131.00	\$30,994.89	\$194,125.89	\$143,862.50	\$27,333.88	\$171,196.38	\$272,454.00	\$51,766.26	\$324,220.26	\$193,149.17	\$229,847.51	
4367	RADIADOR					UND	1	\$6,725,733.15	\$1,277,889.30	\$8,003,622.45	\$11,471,173.00	\$2,179,522.87	\$13,650,695.87	\$7,478,905.00	\$1,420,991.95	\$8,899,896.95	\$8,558,603.72	\$10,184,738.42	
4368	REGULADOR ALTERNADOR					UND	1	\$1,146,893.00	\$217,909.67	\$1,364,802.67	\$434,117.14	\$82,482.26	\$516,599.40	\$616,877.00	\$117,206.63	\$732,629.05	\$734,083.63	\$732,629.05	\$871,828.57
4369	RELAY LUCES					UND	1	\$253,064.00	\$48,082.16	\$301,146.16	\$302,144.00	\$62,157.36	\$369,301.36	\$200,122.00	\$38,023.18	\$238,145.18	\$260,110.00	\$309,530.90	
4370	RESISTENCIA AIRE ACONDICIONADO					UND	1	\$1,189,495.00	\$226,004.05	\$1,415,499.05	\$1,054,762.00	\$200,404.78	\$1,255,166.78	\$721,646.85	\$137,112.90	\$858,759.75	\$988,634.62	\$1,176,475.19	
4371	RESORTE					UND	1	\$187,067.00	\$35,542.73	\$222,609.73	\$346,318.00	\$65,800.42	\$412,118.42	\$148,999.89	\$28,309.98	\$177,309.87	\$227,461.63	\$270,679.34	
4372	RESORTE FRENOS					UND	1	\$228,235.00	\$43,364.65	\$271,599.65	\$332,727.00	\$63,218.13	\$395,945.13	\$186,813.62	\$35,494.59	\$222,308.21	\$249,258.54	\$296,617.66	
4373	RETEN CIGÜEÑAL					UND	1	\$885,122.00	\$130,173.18	\$915,295.18	\$449,922.00	\$85,485.18	\$535,407.18	\$319,036.39	\$60,616.91	\$379,653.30	\$484,693.46	\$576,785.22	
4374	RETEN RUEDA					UND	1	\$361,537.77	\$68,692.18	\$430,229.95	\$534,222.00	\$101,502.18	\$635,724.18	\$894,896.00	\$170,030.24	\$1,064,92			

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS					VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION															
4384	RODILLO EJE			UND	1	\$1,606,353.00	\$305,207.07	\$1,911,560.07	\$594,614.08	\$112,976.68	\$707,590.76	\$849,810.00	\$161,463.90	\$1,011,273.90	\$1,016,925.69	\$1,210,141.58
4385	RODILLO EJE CORREDIZO PIÑÓN 1A- 2A			UND	1	\$941,491.00	\$178,883.29	\$1,120,374.29	\$616,604.45	\$117,154.85	\$733,759.30	\$887,652.00	\$168,653.88	\$1,056,305.88	\$815,249.15	\$970,146.49
4386	RODILLO EJE CORREDIZO PIÑÓN 3A- 4A			UND	1	\$875,760.00	\$166,394.40	\$1,042,154.40	\$515,326.00	\$97,911.94	\$613,237.94	\$453,948.59	\$86,250.23	\$540,198.82	\$615,011.53	\$731,863.72
4387	RODILLO EJE CORREDIZO PIÑÓN 5A- REVERSO			UND	1	\$577,454.58	\$109,716.37	\$687,170.95	\$739,225.00	\$140,452.75	\$879,677.75	\$870,413.00	\$165,378.47	\$1,035,791.47	\$729,030.86	\$867,546.72
4388	RODILLO SPEED DELANTERO EXTERNO			UND	1	\$659,747.04	\$125,351.94	\$785,098.98	\$711,680.00	\$135,219.20	\$846,899.20	\$712,987.00	\$135,467.53	\$848,454.53	\$694,804.68	\$826,817.57
4389	RODILLO SPEED DELANTERO INTERNO			UND	1	\$718,940.00	\$136,598.60	\$855,538.60	\$669,286.46	\$127,164.43	\$796,450.89	\$1,327,943.00	\$252,309.17	\$1,580,252.17	\$905,389.82	\$1,077,413.89
4390	RODILLO SPEED TRASERO EXTERNO			UND	1	\$640,461.18	\$121,687.62	\$762,148.80	\$871,636.00	\$165,610.84	\$1,037,246.84	\$1,689,617.00	\$321,027.23	\$2,010,644.23	\$1,067,238.06	\$1,270,013.29
4391	RODILLO SPEED TRASERO INTERNO			UND	1	\$654,135.68	\$124,285.78	\$778,421.46	\$835,225.00	\$158,692.75	\$993,917.75	\$1,624,197.00	\$308,597.43	\$1,932,794.43	\$1,037,852.56	\$1,235,044.55
4392	RODILLO TOMA			UND	1	\$1,440,969.00	\$273,784.11	\$1,714,753.11	\$773,390.00	\$146,944.10	\$920,334.10	\$623,586.62	\$118,481.46	\$742,068.08	\$945,981.87	\$1,125,718.43
4393	ROTOR ALTERNADOR			UND	1	\$4,515,345.00	\$857,915.55	\$5,373,260.55	\$1,853,369.36	\$352,140.18	\$2,205,509.54	\$2,503,887.00	\$475,738.53	\$2,979,625.53	\$2,957,533.79	\$3,519,465.21
4394	ROTOR BOMBA DIRECCIÓN			UND	1	\$943,160.77	\$179,200.55	\$1,122,361.32	\$1,256,017.00	\$238,643.23	\$1,494,660.23	\$1,289,732.00	\$1,534,781.08	\$1,162,968.92	\$1,383,934.21	
4395	ROTULA INFERIOR			UND	1	\$1,323,652.00	\$251,493.88	\$1,575,145.88	\$2,467,106.00	\$468,750.14	\$2,935,856.14	\$949,289.13	\$180,364.93	\$1,129,654.06	\$1,580,015.71	\$1,880,218.69
4396	ROTULA SUPERIOR			UND	1	\$1,425,395.00	\$270,825.05	\$1,696,220.05	\$879,868.00	\$167,174.92	\$1,047,042.92	\$627,623.69	\$119,248.50	\$746,872.19	\$977,628.90	\$1,163,378.39
4397	SENSOR ABS			UND	1	\$938,700.30	\$178,353.06	\$1,117,053.36	\$2,243,955.00	\$426,351.45	\$2,670,306.45	\$1,247,669.00	\$237,057.11	\$1,484,726.11	\$1,476,774.77	\$1,757,361.97
4398	SENSOR ACCELERACIÓN (TPS)			UND	1	\$1,099,114.22	\$208,831.70	\$1,307,945.92	\$1,362,832.00	\$258,938.08	\$1,621,770.08	\$2,356,689.00	\$447,770.91	\$2,804,459.91	\$1,606,211.74	\$1,911,391.97
4399	SENSOR RADIADOR			UND	1	\$1,041,077.00	\$197,804.63	\$1,238,881.63	\$840,537.00	\$159,702.03	\$1,000,239.03	\$818,628.23	\$155,539.36	\$974,167.59	\$900,080.74	\$1,071,096.08
4400	SENSOR VELOCÍMETRO			UND	1	\$848,010.00	\$161,121.90	\$1,009,131.90	\$1,168,510.00	\$222,016.90	\$1,390,526.90	\$725,197.90	\$137,787.60	\$862,985.50	\$913,905.97	\$1,087,548.10
4401	SOPORTE BARRA TORSIÓN			UND	1	\$1,112,508.00	\$121,376.52	\$1,233,884.52	\$470,083.24	\$89,315.82	\$559,399.06	\$572,628.00	\$108,799.32	\$681,427.32	\$718,406.41	\$854,903.63
4402	SOPORTE CARDAN			UND	1	\$651,428.92	\$123,771.49	\$775,200.41	\$1,150,273.00	\$218,551.87	\$1,368,824.87	\$968,232.00	\$183,964.08	\$1,152,196.08	\$923,311.31	\$1,098,740.45
4403	SUPLEMENTO ESPIRAL AMORTIGUADOR			UND	1	\$365,170.00	\$69,382.30	\$434,552.30	\$255,819.02	\$48,605.61	\$304,424.63	\$656,770.00	\$124,786.30	\$781,556.30	\$425,919.67	\$506,844.41
4404	SWICHE AIRE ACONDICIONADO			UND	1	\$757,065.00	\$143,842.35	\$900,907.35	\$1,272,075.00	\$241,694.25	\$1,513,769.25	\$751,162.41	\$142,720.86	\$893,883.27	\$926,767.47	\$1,102,853.29
4405	SWICHE DIRECCIONAL			UND	1	\$689,693.50	\$131,041.76	\$820,735.26	\$1,934,005.00	\$367,460.95	\$2,301,465.95	\$973,398.00	\$184,945.62	\$1,158,343.62	\$1,199,032.17	\$1,426,848.28
4406	SWICHE IGNICIÓN			UND	1	\$681,174.00	\$129,423.06	\$810,597.06	\$880,190.00	\$167,236.10	\$1,047,426.10	\$674,915.27	\$128,234.09	\$803,150.36	\$745,426.76	\$887,075.84
4407	SWICHE PARQUEO			UND	1	\$1,109,732.00	\$210,849.08	\$1,320,581.08	\$2,067,767.00	\$392,875.73	\$2,460,642.73	\$781,510.10	\$148,486.92	\$929,997.02	\$1,319,669.70	\$1,570,406.94
4408	TANQUE RADIADOR			UND	1	\$427,074.00	\$81,144.06	\$508,218.06	\$646,963.00	\$122,922.97	\$769,885.97	\$410,971.56	\$78,084.60	\$489,056.16	\$495,002.85	\$589,053.40
4409	TAPA LLENADO ACEITE MOTOR			UND	1	\$340,900.00	\$64,771.00	\$405,671.00	\$565,499.00	\$107,444.81	\$672,943.81	\$270,531.48	\$51,400.98	\$321,932.46	\$392,310.16	\$466,849.09
4410	TERMINAL DIRECCIÓN			UND	1	\$987,222.30	\$187,572.24	\$1,174,794.54	\$1,127,674.00	\$214,258.06	\$1,341,932.06	\$1,251,668.00	\$237,816.92	\$1,489,484.92	\$1,122,188.10	\$1,335,403.04
4411	TERMOSTATO			UND	1	\$446,617.40	\$84,857.31	\$531,474.71	\$908,908.00	\$172,692.52	\$1,081,600.52	\$568,181.00	\$107,954.39	\$676,135.39	\$641,235.47	\$763,070.21
4412	TUERA			UND	1	\$3,973,697.00	\$755,002.43	\$4,728,699.43	\$2,630,233.00	\$499,744.27	\$3,129,977.27	\$2,246,994.83	\$426,929.02	\$2,673,923.85	\$2,950,308.28	\$3,510,866.85
4413	TORNILLO BALANCÍN			UND	1	\$150,951.00	\$28,680.69	\$179,631.69	\$190,977.00	\$36,285.63	\$227,262.63	\$132,657.83	\$25,204.99	\$157,862.82	\$158,195.28	\$188,252.38
4414	TORNILLO CENTRAL			UND	1	\$141,982.89	\$26,976.75	\$168,959.64	\$148,463.00	\$28,207.97	\$176,670.97	\$213,890.00	\$40,639.10	\$254,529.10	\$168,111.96	\$200,053.24
4415	TORNILLO CON TUERCA Y ARANDELA			UND	1	\$29,473.43	\$5,599.95	\$35,073.38	\$60,752.00	\$11,542.88	\$73,294.88	\$42,395.00	\$8,055.05	\$50,450.05	\$44,206.81	\$52,606.10
4416	TUERCA CACHO			UND	1	\$140,076.62	\$26,614.56	\$166,691.18	\$145,697.00	\$27,682.43	\$173,379.43	\$239,833.00	\$45,568.27	\$285,401.27	\$175,202.21	\$208,490.63
4417	TUERCA SPEED			UND	1	\$125,517.90	\$23,848.40	\$149,366.30	\$146,067.00	\$27,752.73	\$173,819.73	\$290,312.00	\$55,159.28	\$345,471.28	\$187,298.97	\$222,885.77
4418	TURBO Y ACCESORIOS			UND	1	\$24,984,857.00	\$4,747,122.83	\$29,731,979.83	\$18,457,306.00	\$3,506,888.14	\$21,964,194.14	\$14,682,922.54	\$2,789,754.90	\$17,472,675.44	\$19,375,027.85	\$23,056,283.14
4419	UNIDAD COMPLETA LH/ RH			UND	1	\$3,874,938.76	\$736,238.37	\$4,611,177.13	\$7,610,086.00	\$1,445,916.34	\$9,056,002.34	\$5,119,919.00	\$972,784.61	\$6,092,703.61	\$5,534,981.25	\$6,586,627.69
4420	VÁLVULA PRESOSTÁTICA			UND	1	\$1,562,061.50	\$296,791.69	\$1,858,853.19	\$3,750,359.00	\$712,568.21	\$4,462,927.21	\$2,086,616.00	\$396,457.04	\$2,483,073.04	\$2,466,345.50	\$2,934,951.15
4421	VÁLVULAS ADMISIÓN Y ESCAPE			UND	1	\$1,306,024.72	\$248,144.70	\$1,554,169.42	\$1,892,377.00	\$359,551.63	\$2,251,928.63	\$3,025,620.00	\$574,867.80	\$3,600,487.80	\$2,074,673.91	\$2,468,861.95
4422	VÁSTAGOS IMPULSADORES			UND	1	\$636,648.00	\$120,963.12	\$757,611.12	\$466,168.98	\$88,572.11	\$554,741.09	\$1,225,688.00	\$232,880.72	\$1,458,568.72	\$776,168.33	\$923,640.31
4423	VENTILADOR			UND	1	\$1,654,299.52	\$314,316.91	\$1,968,616.43	\$4,425,301.00	\$840,807.19	\$5,266,108.19	\$2,308,043.00	\$438,528.17	\$2,746,571.17	\$2,795,881.17	\$3,327,098.60
4424	VIDRIO LATERAL			UND	1	\$1,485,941.00	\$282,328.79	\$1,768,269.79	\$1,768,269.79	\$160,910.46	\$1,007,807.60	\$1,128,790.00	\$214,470.10	\$1,343,260.10	\$1,153,876.05	\$1,373,112.50
4425	VIDRIO PANORÁMICO DELANTERO			UND	1	\$2,054,427.83	\$390,341.29	\$2,444,769.12	\$4,614,144.00	\$876,687.36	\$5,490,831.36	\$3,025,109.00	\$574,770.71	\$3,599,879.71	\$3,231,226.94	\$3,845,160.06
4426	VIDRIO PANORÁMICO TRASERO			UND	1	\$1,884,420.00	\$358,039.80	\$2,242,459.80	\$3,601,343.00	\$684,255.17	\$4,285,598.17	\$1,466,715.77	\$278,676.00	\$1,745,391.77	\$2,317,492.92	\$2,757,816.58
TOYOTA HILUX DOBLE CABINA PLATON 4X4 DIESEL MODELO 2017																
	DESCRIPCION			UNIDAD	CANT											
4427	AMORTIGUADOR			UND	1	\$957,738.00	\$181,970.22	\$1,139,708.22	\$770,646.62	\$146,422.86	\$917,069.48	\$1,243,219.00	\$236,211.61	\$1,479,430.61	\$990,534.54	\$1,178,736.10
4428	BOMBA AUXILIAR DE EMBRAGUE			UND	1	\$651,826.00	\$123,846.94	\$775,672.94	\$417,507.92	\$79,326.50	\$496,834.42	\$503,894.00	\$95,739.86	\$599,633.86	\$524,409.31	\$624,047.07
4429	BOMBA DE AGUA			UND	1	\$2,015,158.00	\$382,880.02	\$2,398,038.02	\$2,097,664.00	\$398,556.16	\$2,496,220.16	\$1,738,992.59	\$330,408.59	\$2,069,401.18	\$1,950,604.86	\$2,321,219.79
4430	BOMBA DIRECCIÓN			UND	1	\$10,488,256.00	\$1,992,768.64	\$12,481,024.64	\$6,950,793.00	\$1,320,650.67	\$8,271,443.67	\$5,157,802.39	\$979,982.45	\$6,137,784.84	\$7,532,283.80	\$8,963,417.72
4431	BOTELLA CARDAN CENTRAL			UND	1	\$1,955,498.00	\$371,544.62	\$2,327,042.62	\$1,526,019.06	\$289,943.62	\$1,815,962.68	\$2,122,309.00	\$403,238.71	\$2,525,547.71	\$1,867,942.02	\$2,222,851.00
4432	BRAZO AXIAL			UND	1	\$486,171.68	\$92,372.62	\$578,544.30	\$1,087,647.00	\$206,652.93	\$1,294,299.93	\$727,627.00	\$138,249.13	\$865,876.13	\$767,148.56	\$912,906.79
4433	BRAZO PLUMILLA			UND	1	\$503,927.00	\$95,746.13	\$599,673.13	\$384,064.81	\$72,972.31	\$457,037.12	\$591,523.00	\$180,789.37			

ITEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO			
	REPUESTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA		
	DESCRIPCION																
4441	BUJE DE LEVA		UND	1	\$372,832.00	\$70,838.08	\$443,670.08	\$211,609.62	\$40,205.83	\$251,815.45	\$213,979.00	\$40,656.01	\$254,635.01	\$266,140.21	\$316,706.85		
4442	BUJE MUELLE		UND	1	\$263,117.64	\$49,992.35	\$313,109.99	\$548,113.00	\$104,141.47	\$652,254.47	\$374,963.00	\$71,242.97	\$446,205.97	\$395,397.88	\$470,523.48		
4443	BUJE TUERA		UND	1	\$452,022.27	\$85,884.23	\$537,906.50	\$813,079.00	\$154,485.01	\$967,564.01	\$524,731.00	\$99,698.89	\$624,429.89	\$596,610.76	\$709,966.80		
4444	BUJIA		UND	1	\$298,807.00	\$56,773.33	\$355,580.33	\$213,689.62	\$40,601.03	\$254,290.65	\$293,073.00	\$55,683.87	\$348,756.87	\$268,523.21	\$319,542.62		
4445	CAJA DIRECCIÓN		UND	1	\$11,451,673.14	\$2,175,817.90	\$13,627,491.04	\$16,410,595.00	\$3,118,013.05	\$19,528,608.05	\$23,004,576.00	\$4,370,869.44	\$27,375,445.44	\$16,955,614.71	\$20,177,181.51		
4446	CAMBIO LIQUIDO FRENOS		UND	1	\$432,818.00	\$82,235.42	\$515,053.42	\$312,835.00	\$59,438.65	\$372,273.65	\$219,395.50	\$41,685.15	\$261,080.65	\$321,682.83	\$382,802.57		
4447	CAMBIO SENSOR EMISIÓN DE GASES		UND	1	\$765,668.00	\$145,476.92	\$911,144.92	\$1,483,873.00	\$281,935.87	\$1,765,808.87	\$537,676.44	\$102,158.52	\$639,834.96	\$929,072.48	\$1,105,596.25		
4448	CAMPANA DE FRENO		UND	1	\$806,953.43	\$153,321.15	\$960,274.58	\$1,203,432.00	\$228,652.08	\$1,432,084.08	\$1,627,037.00	\$309,137.03	\$1,936,174.03	\$1,212,474.14	\$1,442,844.23		
4449	CASQUETES DE BANCADA		UND	1	\$771,101.00	\$146,509.19	\$917,610.19	\$467,737.00	\$88,870.03	\$556,607.03	\$406,202.48	\$77,178.47	\$483,380.95	\$548,346.83	\$652,532.72		
4450	CASQUETES DE BIELA MOTOR		UND	1	\$524,703.71	\$99,693.70	\$624,397.41	\$606,014.00	\$115,142.66	\$721,156.66	\$1,134,916.00	\$215,634.04	\$1,350,550.04	\$755,211.24	\$898,701.37		
4451	CAUCHO CARDAN		UND	1	\$193,385.00	\$36,743.15	\$230,128.15	\$155,961.25	\$29,632.64	\$185,593.89	\$170,723.00	\$32,437.37	\$203,160.37	\$173,356.42	\$206,294.14		
4452	CAUCHOS, BUJE AMORTIGUADOR		UND	1	\$254,741.00	\$48,400.79	\$303,141.79	\$366,924.00	\$69,715.56	\$436,639.56	\$187,150.42	\$35,558.58	\$222,709.00	\$269,605.14	\$320,830.12		
4453	CHAPAS PUERTAS DELANTERAS		UND	1	\$1,687,818.00	\$320,685.42	\$2,008,503.42	\$747,636.39	\$142,050.91	\$889,687.30	\$1,099,687.00	\$208,940.53	\$1,308,627.53	\$1,178,380.46	\$1,402,272.75		
4454	CHAPAS PUERTAS TRASERAS		UND	1	\$1,433,768.00	\$272,415.92	\$1,706,183.92	\$689,716.81	\$131,046.19	\$820,763.00	\$733,608.00	\$139,385.52	\$872,993.52	\$952,364.27	\$1,133,313.48		
4455	CHOROTE ARRANQUE		UND	1	\$1,038,556.00	\$197,325.64	\$1,235,881.64	\$523,505.00	\$99,465.95	\$622,970.95	\$495,665.60	\$94,176.46	\$589,842.06	\$685,908.87	\$816,231.55		
4456	CIGÜENAL MOTOR		UND	1	\$33,023,637.00	\$6,274,491.03	\$39,298,128.03	\$17,323,889.03	\$3,291,538.92	\$20,615,427.95	\$22,034,069.00	\$4,186,473.11	\$26,220,542.11	\$24,127,198.34	\$28,711,366.03		
4457	CILINDRO FRENO		UND	1	\$418,971.00	\$79,604.49	\$498,575.49	\$310,925.88	\$59,075.92	\$370,001.80	\$657,074.00	\$106,604.06	\$667,678.06	\$430,323.63	\$512,085.12		
4458	COMPRESOR AIRE ACONDICIONADO		UND	1	\$6,234,596.71	\$1,184,573.37	\$7,419,170.08	\$6,777,398.00	\$1,287,705.62	\$8,065,103.62	\$9,326,581.00	\$1,772,050.39	\$11,098,631.39	\$7,446,191.90	\$8,860,968.36		
4459	CONDENSADOR AIRE ACONDICIONADO		UND	1	\$4,834,561.00	\$918,566.59	\$5,753,127.59	\$2,743,614.00	\$521,286.66	\$3,264,900.66	\$1,948,049.79	\$370,129.46	\$2,318,179.25	\$3,175,408.26	\$3,778,735.83		
4460	CONECTOR SENSOR FLUJO DE AIRE		UND	1	\$181,418.42	\$34,469.50	\$215,887.92	\$377,212.00	\$71,670.28	\$448,882.28	\$192,587.00	\$36,591.53	\$229,178.53	\$250,405.81	\$297,982.91		
4461	CONECTOR SENSOR MAP		UND	1	\$297,024.00	\$56,434.56	\$353,458.56	\$204,110.60	\$38,781.01	\$242,891.61	\$394,718.00	\$74,996.42	\$469,714.42	\$298,617.53	\$355,354.86		
4462	CORONA /SPEED		UND	1	\$7,996,105.00	\$1,519,259.95	\$9,515,364.95	\$6,032,940.32	\$1,146,258.66	\$7,179,198.98	\$8,094,868.00	\$1,538,024.92	\$9,632,892.92	\$7,374,637.77	\$8,775,818.95		
4463	CORREA ACCESORIO		UND	1	\$1,301,494.00	\$247,283.86	\$1,548,777.86	\$632,348.63	\$120,146.24	\$752,494.87	\$179,467.00	\$136,698.73	\$856,165.73	\$884,436.54	\$1,052,479.49		
4464	CORREA ALTERNADOR		UND	1	\$734,088.00	\$139,476.72	\$873,564.72	\$313,512.06	\$59,567.29	\$373,079.35	\$451,373.00	\$85,760.87	\$537,133.87	\$499,657.69	\$594,592.65		
4465	CORREA DE MOTOR		UND	1	\$931,771.00	\$177,036.49	\$1,108,807.49	\$412,740.76	\$78,420.74	\$491,161.50	\$548,803.00	\$104,272.57	\$653,075.57	\$631,104.92	\$751,014.85		
4466	CREMALLERA VOLANTE		UND	1	\$593,988.58	\$112,857.83	\$706,846.41	\$1,097,134.00	\$208,455.46	\$1,305,589.46	\$697,281.00	\$132,483.39	\$829,764.39	\$796,134.53	\$947,400.09		
4467	CRUCETA CAÑA DIRECCIÓN		UND	1	\$1,144,140.00	\$217,386.60	\$1,361,526.60	\$486,547.39	\$92,444.00	\$578,991.39	\$635,686.00	\$120,780.34	\$756,466.34	\$755,457.80	\$899,994.78		
4468	CRUCETA CARDAN		UND	1	\$823,403.00	\$156,446.57	\$979,849.57	\$597,107.71	\$113,450.46	\$710,558.17	\$1,233,425.00	\$234,350.75	\$1,467,775.75	\$894,645.24	\$1,052,727.83		
4469	CULATA MOTOR		UND	1	\$8,733,268.56	\$1,659,321.03	\$10,392,589.59	\$13,266,385.00	\$2,520,613.15	\$15,786,998.15	\$9,633,128.00	\$1,830,294.32	\$11,463,422.32	\$10,544,260.52	\$12,547,670.02		
4470	CUÑA CIGÜENAL		UND	1	\$213,887.00	\$40,638.53	\$254,525.53	\$312,912.00	\$59,453.28	\$372,365.28	\$209,822.33	\$39,866.24	\$249,688.57	\$245,540.44	\$292,193.13		
4471	CUÑAS VÁLVULAS		UND	1	\$189,576.00	\$36,019.44	\$225,595.44	\$257,535.00	\$48,931.65	\$306,466.65	\$319,561.00	\$60,716.59	\$380,277.59	\$255,557.33	\$304,113.23		
4472	CUPLIN SPEED DELANTERO		UND	1	\$3,063,146.00	\$581,997.74	\$3,645,143.74	\$1,812,218.15	\$344,321.45	\$2,156,539.60	\$2,058,060.00	\$391,031.40	\$2,449,091.40	\$2,311,141.38	\$2,750,258.25		
4473	CUPLIN SPEED TRASERO		UND	1	\$2,661,258.00	\$505,639.02	\$3,166,897.02	\$4,730,179.00	\$898,734.01	\$5,628,913.01	\$1,792,970.53	\$340,664.40	\$2,133,634.93	\$3,061,469.18	\$3,643,148.32		
4474	DEPOSITO BOMBA DE FRENOS		UND	1	\$2,235,541.00	\$424,752.79	\$2,660,293.79	\$1,414,903.00	\$268,831.57	\$1,683,734.57	\$1,197,966.49	\$227,613.63	\$1,425,580.12	\$1,616,136.83	\$1,923,202.83		
4475	DISCO DE FRENO		UND	1	\$1,818,985.00	\$345,607.15	\$2,164,592.15	\$1,284,082.56	\$243,975.69	\$1,528,058.25	\$2,076,348.00	\$394,506.12	\$2,470,854.12	\$1,726,471.85	\$2,054,501.51		
4476	DISCO EMBRAGUE		UND	1	\$1,128,927.63	\$214,496.25	\$1,343,423.88	\$1,307,604.00	\$248,444.76	\$1,556,048.76	\$2,520,776.00	\$478,947.44	\$2,999,723.44	\$1,652,435.88	\$1,966,398.69		
4477	ECUALIZACIÓN TRANSMISIÓN		UND	1	\$7,570,321.00	\$1,438,360.99	\$9,008,681.99	\$3,700,320.67	\$703,060.93	\$4,403,381.60	\$3,937,568.00	\$748,137.92	\$4,685,705.92	\$5,069,403.22	\$6,032,589.84		
4478	EJE CORREDIZO		UND	1	\$4,932,863.00	\$937,243.97	\$5,870,106.97	\$2,250,675.65	\$427,628.37	\$2,678,304.02	\$2,958,006.00	\$562,021.14	\$3,520,027.14	\$3,380,514.88	\$4,022,812.71		
4479	EJE TRASERO		UND	1	\$3,065,008.00	\$582,351.52	\$3,647,359.52	\$4,534,439.00	\$861,543.41	\$5,395,982.41	\$2,421,354.08	\$460,057.28	\$2,881,411.36	\$3,340,267.03	\$3,974,917.76		
4480	EMPAQUE CARTER		UND	1	\$503,786.00	\$95,719.34	\$599,505.34	\$262,912.43	\$49,953.36	\$312,865.79	\$314,708.00	\$59,794.52	\$374,502.52	\$360,468.81	\$428,957.88		
4481	EMPAQUE CULATA		UND	1	\$2,316,151.00	\$440,068.69	\$2,756,219.69	\$1,149,809.37	\$218,463.78	\$1,368,273.15	\$1,501,875.00	\$285,356.25	\$1,787,231.25	\$1,655,945.12	\$1,970,574.70		
4482	EMPAQUE DE MORDAZA		UND	1	\$449,359.90	\$85,378.38	\$534,738.28	\$746,561.00	\$141,846.59	\$888,407.59	\$602,360.00	\$114,448.40	\$716,808.40	\$599,426.97	\$713,318.09		
4483	EMPAQUE MULTIPLE DE ADMISIÓN		UND	1	\$470,583.00	\$89,410.77	\$559,993.77	\$334,153.54	\$63,489.17	\$397,642.71	\$452,656.00	\$86,004.64	\$538,660.64	\$419,130.85	\$498,765.71		
4484	EMPAQUE MULTIPLE DE ESCAPE		UND	1	\$538,640.00	\$102,341.60	\$640,981.60	\$400,213.29	\$76,040.53	\$476,253.82	\$871,341.00	\$165,554.79	\$1,036,895.79	\$603,398.10	\$718,043.74		
4485	EMPAQUE SALIDA EXOSTO		UND	1	\$410,156.00	\$77,929.46	\$488,085.46	\$569,155.00	\$108,139.45	\$677,294.45	\$357,657.89	\$67,955.00	\$425,612.89	\$445,656.30	\$530,330.99		
4486	EMPAQUE TAPA REPARTICIÓN		UND	1	\$668,611.00	\$127,036.09	\$795,647.09	\$500,510.66	\$95,097.03	\$595,607.69	\$520,840.00	\$98,959.60	\$619,799.60	\$563,320.55	\$670,351.46		
4487	EMPAQUE TAPA VÁLVULAS		UND	1	\$1,853,075.04	\$352,084.26	\$2,205,159.30	\$1,963,421.00	\$373,049.99	\$2,336,470.99	\$3,269,170.00	\$621,142.30	\$3,890,312.30	\$2,361,888.68	\$2,810,647.53		
4488	EMPAQUE TURBO		UND	1	\$653,741.00	\$124,210.79	\$777,951.79	\$543,010.13	\$103,171.92	\$646,182.05	\$761,516.00	\$144,688.04	\$906,204.04	\$652,755.71	\$776,779.29		
4489	EMPAQUETADURA BOMBA DE DIRECCIÓN		UND	1	\$1,547,165.00	\$293,961.35	\$1,841,126.35	\$1,261,099.49	\$239,688.90	\$1,500,788.39	\$2,043,507.00	\$388,266.33	\$2,431,773.33	\$1,617,257.16	\$1,924,536.02		
4490	EMPAQUETADURA BOMBA DE FRENOS		UND	1	\$766,752.20	\$145,682.92	\$912,435.12	\$1,241,713.00	\$235,925.47	\$1,477,638.47	\$897,305.00	\$170,487.95	\$1,067,792.95	\$968,590.07	\$1,152,622.18		

ÍTEM	MOTONIVELADORA CATERPILLAR 120 K	UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS													
	DESCRIPCION			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
4500	FILTRO COMBUSTIBLE	UND	1	\$322,590.00	\$61,292.10	\$383,882.10	\$466,223.00	\$88,582.37	\$554,805.37	\$312,871.07	\$59,445.50	\$372,316.57	\$367,228.02	\$437,001.35
4501	FLANCHE CARDAN	UND	1	\$658,617.00	\$125,137.23	\$783,754.23	\$637,899.00	\$121,200.81	\$759,099.81	\$97,383.40	\$609,927.60	\$609,927.60	\$603,020.07	\$717,593.88
4502	FLASHER DIRECCIONAL	UND	1	\$233,738.00	\$44,410.22	\$277,501.00	\$52,725.19	\$330,226.19	\$169,000.41	\$32,110.08	\$201,110.49	\$226,746.47	\$269,828.30	\$269,828.30
4503	FLAUTA MOTOR	UND	1	\$2,434,922.00	\$462,635.18	\$2,897,557.18	\$3,738,246.00	\$710,266.74	\$4,448,512.74	\$1,981,047.60	\$376,399.04	\$2,357,446.64	\$2,718,071.87	\$3,234,505.52
4504	FLOTADOR TANQUE COMBUSTIBLE	UND	1	\$2,598,890.00	\$493,789.10	\$3,092,679.10	\$1,649,689.00	\$313,440.91	\$1,963,129.91	\$1,395,794.05	\$265,200.87	\$1,660,994.92	\$1,881,457.68	\$2,238,934.64
4505	GRADUACIÓN FRENS	UND	1	\$494,665.00	\$93,986.35	\$588,651.35	\$282,483.00	\$53,671.77	\$336,154.77	\$188,704.01	\$35,853.76	\$224,557.77	\$321,950.67	\$383,121.30
4506	GRAPAS CRUCETA CARDAN	UND	1	\$298,061.70	\$56,631.72	\$354,693.42	\$594,944.00	\$113,039.36	\$707,983.36	\$353,411.00	\$67,148.09	\$420,559.09	\$415,472.23	\$494,411.96
4507	GUARDAPOLVO CAJA DIRECCIÓN	UND	1	\$174,077.00	\$33,074.63	\$207,151.63	\$344,771.00	\$65,506.49	\$410,277.49	\$166,062.66	\$31,551.91	\$197,614.57	\$228,303.55	\$271,681.23
4508	GUARDAPOLVO EJES DELANTERO L/C-L/R	UND	1	\$325,929.00	\$61,926.51	\$387,855.51	\$232,087.71	\$44,096.66	\$276,184.37	\$446,079.00	\$84,755.01	\$530,834.01	\$334,698.57	\$398,291.30
4509	GUAYA ACELERADOR	UND	1	\$893,729.00	\$169,808.51	\$1,063,537.51	\$943,334.00	\$179,233.46	\$1,122,567.46	\$743,819.75	\$141,325.75	\$885,145.50	\$860,294.25	\$1,023,750.16
4510	GUAYA EMERGENCIA LH-RH	UND	1	\$558,962.00	\$106,202.78	\$665,164.78	\$702,628.00	\$133,499.32	\$836,127.32	\$1,047,478.00	\$199,020.82	\$1,246,498.82	\$769,689.33	\$915,930.31
4511	GUÍAS VÁLVULAS	UND	1	\$683,006.00	\$129,771.14	\$812,777.14	\$534,943.51	\$101,639.27	\$636,582.78	\$1,295,669.00	\$246,177.11	\$1,541,846.11	\$837,872.84	\$997,068.68
4512	HOJA DE RESORTE SEGUNDA PLANA	UND	1	\$840,538.77	\$159,702.37	\$1,000,241.14	\$1,147,059.00	\$217,941.21	\$1,365,000.21	\$1,159,302.00	\$220,267.38	\$1,379,569.38	\$1,048,966.59	\$1,248,270.24
4513	HOJA RESORTE CUARTA	UND	1	\$1,119,778.00	\$212,757.82	\$1,332,535.82	\$146,299.43	\$979,997.00	\$1,462,296.43	\$579,397.74	\$110,085.57	\$689,483.31	\$823,057.58	\$979,438.52
4514	HOJA RESORTE PRINCIPAL	UND	1	\$750,149.00	\$142,528.31	\$892,677.31	\$709,138.53	\$134,736.32	\$843,874.85	\$946,037.00	\$179,747.03	\$1,125,784.03	\$801,774.84	\$954,112.06
4515	HOJA RESORTE SEGUNDA DE VUELTA	UND	1	\$838,479.00	\$159,311.01	\$997,790.01	\$1,674,037.00	\$318,067.03	\$1,992,104.03	\$698,526.44	\$132,720.02	\$831,246.46	\$1,070,347.48	\$1,273,713.50
4516	HOJA RESORTE TERCERA	UND	1	\$1,653,187.00	\$314,105.53	\$1,967,292.53	\$615,208.11	\$116,889.54	\$732,097.65	\$884,677.00	\$168,088.63	\$1,052,765.63	\$1,051,024.04	\$1,250,718.60
4517	INDUCIDO ALTERNADOR	UND	1	\$679,516.00	\$129,108.04	\$808,624.04	\$1,185,440.00	\$225,233.60	\$1,410,673.60	\$494,651.13	\$93,983.71	\$588,634.84	\$786,535.71	\$935,977.49
4518	INDUCIDO ARRANQUE	UND	1	\$330,484.15	\$62,791.99	\$393,276.14	\$364,971.00	\$69,344.49	\$434,315.49	\$501,640.00	\$95,311.60	\$596,951.60	\$399,031.72	\$474,847.74
4519	INYECTOR	UND	1	\$2,830,529.17	\$537,800.54	\$3,368,329.71	\$4,017,536.00	\$763,331.84	\$4,780,867.84	\$5,213,423.00	\$990,550.37	\$6,203,973.37	\$4,020,496.06	\$4,784,390.31
4520	JUEGO ARANDELAS TRANSMISIÓN	UND	1	\$247,908.00	\$47,102.52	\$295,010.52	\$255,204.00	\$48,488.76	\$303,692.76	\$210,476.08	\$39,990.46	\$250,466.54	\$237,862.69	\$283,056.61
4521	JUEGO BUJES LEVAS	UND	1	\$327,017.00	\$62,133.23	\$389,150.23	\$307,296.00	\$58,386.24	\$365,682.24	\$236,162.56	\$44,870.89	\$281,033.45	\$290,158.52	\$345,288.64
4522	JUEGO DE ANILLOS	UND	1	\$2,133,766.00	\$405,415.54	\$2,539,181.54	\$1,351,751.00	\$256,832.69	\$1,608,583.69	\$1,083,710.43	\$205,904.98	\$1,289,615.41	\$1,523,075.81	\$1,812,460.21
4523	JUEGO DE BANDAS FRENO	UND	1	\$1,962,329.00	\$372,842.51	\$2,335,171.51	\$1,230,078.00	\$233,714.82	\$1,463,792.82	\$862,386.92	\$163,853.51	\$1,026,240.43	\$1,351,597.97	\$1,608,401.59
4524	JUEGO DE CAMISAS	UND	1	\$3,109,335.00	\$590,773.65	\$3,700,108.65	\$2,209,773.67	\$419,857.00	\$2,629,630.67	\$2,790,920.00	\$530,274.80	\$3,321,194.80	\$2,703,342.89	\$3,216,978.04
4525	JUEGO DE MEDIALUNAS CIGÜEÑAL	UND	1	\$762,508.00	\$144,876.52	\$907,384.52	\$578,583.52	\$109,930.87	\$688,514.39	\$768,394.00	\$145,994.86	\$914,388.86	\$703,161.84	\$836,762.59
4526	JUEGO DE OBTURADORES	UND	1	\$498,135.00	\$94,645.65	\$592,780.65	\$317,230.61	\$60,273.82	\$377,504.43	\$424,490.00	\$80,653.10	\$505,143.10	\$413,285.20	\$491,809.39
4527	JUEGO DE PISTONES	UND	1	\$3,302,325.00	\$627,441.75	\$3,929,766.75	\$4,766,086.00	\$905,556.34	\$5,671,642.34	\$2,865,030.76	\$544,355.84	\$3,409,386.60	\$3,644,480.59	\$4,236,931.90
4528	JUEGO ESCOBILLAS ARRANQUE	UND	1	\$177,657.97	\$33,755.01	\$211,412.98	\$227,241.00	\$43,175.79	\$270,416.79	\$336,444.00	\$63,924.36	\$400,368.36	\$247,114.32	\$294,066.04
4529	JUEGO IMPULSADORES	UND	1	\$1,005,067.00	\$190,962.73	\$1,196,029.73	\$1,089,318.00	\$206,970.42	\$1,296,288.42	\$684,100.75	\$129,979.14	\$814,079.89	\$826,161.92	\$1,102,132.68
4530	JUEGO PASTILLAS FRENO	UND	1	\$864,422.19	\$164,240.22	\$1,028,662.41	\$2,007,142.00	\$381,356.98	\$2,388,498.98	\$1,330,873.00	\$214,865.87	\$1,345,738.87	\$1,334,145.73	\$1,587,633.42
4531	JUEGO PLUMILLAS	UND	1	\$814,604.00	\$154,774.76	\$969,378.76	\$444,530.53	\$84,460.80	\$528,991.33	\$593,180.00	\$112,704.20	\$705,884.20	\$617,438.18	\$734,751.43
4532	JUEGO PUNTILLA FRENO	UND	1	\$130,948.00	\$24,880.12	\$155,828.12	\$92,571.54	\$17,588.59	\$110,160.13	\$100,778.00	\$19,147.82	\$119,925.82	\$108,099.18	\$128,638.02
4533	KIT BUJES AJUSTE PALANCA CAMBIOS	UND	1	\$352,684.00	\$67,009.96	\$419,693.96	\$317,362.00	\$60,298.78	\$377,660.78	\$253,310.00	\$48,128.90	\$301,438.90	\$307,785.33	\$366,264.55
4534	KIT DE REPARACIÓN DE INYECTORES	UND	1	\$773,005.00	\$146,870.95	\$919,875.95	\$372,164.39	\$70,711.23	\$442,875.62	\$453,445.00	\$86,154.55	\$539,599.55	\$532,871.46	\$634,117.04
4535	KIT EMBRAGUE-DISCO-PRENSA-BALINERA	UND	1	\$2,965,748.83	\$563,492.47	\$3,529,242.30	\$3,685,556.00	\$700,255.64	\$4,385,811.64	\$4,085,390.00	\$776,224.10	\$4,861,614.10	\$3,578,888.61	\$4,258,889.35
4536	KIT MORDAZA	UND	1	\$405,305.45	\$77,008.03	\$482,313.48	\$899,263.00	\$170,859.97	\$1,070,122.97	\$486,365.00	\$92,409.35	\$578,774.35	\$596,977.82	\$710,403.60
4537	KIT MOTOR COMPLETO	UND	1	\$14,026,144.00	\$2,664,967.36	\$16,691,111.36	\$11,251,997.61	\$2,137,879.55	\$13,389,877.16	\$19,819,669.00	\$3,765,737.11	\$23,585,406.11	\$15,032,603.54	\$17,888,798.21
4538	KIT PUNTA/BOTELLA CARDAN	UND	1	\$2,289,936.00	\$435,087.84	\$2,725,023.84	\$1,731,471.69	\$328,979.62	\$2,060,451.31	\$4,563,745.00	\$867,111.55	\$5,430,856.55	\$2,861,717.56	\$3,405,443.90
4539	LÁMPARA DIRECCIONAL	UND	1	\$513,600.83	\$97,584.16	\$611,184.99	\$669,757.00	\$127,253.83	\$797,010.83	\$1,310,037.00	\$248,907.03	\$1,558,944.03	\$831,131.61	\$989,046.62
4540	LÁMPARA LATERAL GUARDA FANGO	UND	1	\$519,384.15	\$98,682.99	\$618,067.14	\$1,018,675.00	\$193,548.25	\$1,212,223.25	\$535,257.00	\$101,698.83	\$636,955.83	\$691,105.38	\$822,415.41
4541	LÁMPARA STOP	UND	1	\$1,678,057.00	\$318,830.83	\$1,996,887.83	\$1,628,600.52	\$309,434.10	\$1,938,034.62	\$3,124,244.00	\$593,606.36	\$3,717,850.36	\$2,143,633.84	\$2,550,924.27
4542	LÁMPARA TECHO	UND	1	\$877,601.00	\$166,744.19	\$1,044,345.19	\$1,182,516.00	\$224,678.04	\$1,407,194.04	\$608,202.81	\$115,558.53	\$723,761.34	\$889,439.94	\$1,058,433.52
4543	MANGUERA COMBUSTIBLE	UND	1	\$449,980.98	\$85,496.39	\$535,477.37	\$1,214,039.00	\$230,667.41	\$1,444,706.41	\$624,185.00	\$118,595.15	\$742,780.15	\$762,734.99	\$907,654.64
4544	MANGUERA DE ALTA PRESIÓN AIRE ACONDICIONADO	UND	1	\$540,659.78	\$102,725.36	\$643,385.14	\$1,187,387.00	\$225,603.53	\$1,412,990.53	\$639,479.00	\$121,501.01	\$760,980.01	\$789,175.26	\$939,118.56
4545	MANGUERA DE BAJA PRESIÓN AIRE ACONDICIONADO	UND	1	\$568,020.68	\$107,923.93	\$675,944.61	\$787,187.00	\$149,565.53	\$936,752.53	\$1,259,367.00	\$239,279.73	\$1,498,646.73	\$871,524.89	\$1,037,114.62
4546	MANGUERA ENFRIADOR	UND	1	\$2,220,710.00	\$421,934.90	\$2,642,644.90	\$1,252,146.00	\$237,907.74	\$1,490,053.74	\$965,680.48	\$183,479.29	\$1,149,159.77	\$1,479,512.16	\$1,760,619.47
4547	MANGUERA FRENO DELANTERA	UND	1	\$504,703.00	\$95,893.57	\$600,596.57	\$324,163.21	\$61,591.04	\$385,754.22	\$388,926.00	\$73,895.94	\$462,821.94	\$405,930.74	\$483,057.58
4548	MANGUERA SUPERIOR E INFERIOR	UND	1	\$758,178.00	\$144,053.82	\$902,231.82	\$429,624.52	\$81,628.86	\$511,253.38	\$501,469.00	\$95,279.11	\$596,748.11	\$563,090.51	\$670,077.70
4549	MANGUERA TURBO	UND	1	\$1,904,814.00	\$361,914.66	\$2,266,728.66	\$1,535,957.20	\$291,831.87	\$1,827,789.07	\$2,953,510.00	\$561,166.90	\$3,514,676.90	\$2,131,427.07	\$2,536,398.21
4550	MODULO ASIENITO	UND	1	\$559,249.00	\$106,257.31	\$665,506.31	\$501,852.00	\$95,351.88	\$597,203.88	\$467,715.09	\$88,865.87	\$556,580.96	\$509,605.36	\$606,430.38
4551	MORDAZA FRENO LH-RH	UND	1	\$7,129,459.00	\$1,354,597.21	\$8,484,056.21	\$8,957,451.00	\$1,701,915.69	\$10,659,366.69	\$4,992,057.79	\$948,490.98	\$5,940,548.77	\$7,026,322.60	\$8,361,323.89
4552	MOTOR ARRANQUE	UND	1	\$2,227,653.07	\$2,653,254.08	\$4,880,907.15	\$4,895,492.00	\$930,143.48	\$5,825,635.48	\$2,764,333.97	\$525,223.27	\$3,289,556.27	\$3,295,826.02	\$3,922,032.97
4553	MOTOR COMPLETO Y PERIFÉRICOS	UND	1	\$47,905,221.00	\$9,101,991.99	\$57,007,212.99	\$32,137,698.89	\$6,106,162.79	\$38,243,861.68	\$53,740,384.00	\$10,210,672.96	\$63,951,056.96	\$44,594,434.63	\$53,067,377.21
4554	MOTOR LIMPIA BRISAS	UND	1	\$2,373,303.00	\$450,927.57	\$2,824,230.57	\$2,319,415.00	\$440,688.85	\$2,760,103.85	\$1,808,306.64	\$343,578.26	\$2,151,884.90	\$2,167,008.21	\$2,578,739.77
4555	MUÑOCO BARRA ESTABILIZADORA	UND	1	\$643,412.00	\$122,248.28	\$765,660.28	\$403,092.00	\$76,580.31	\$479,672.31	\$269,960.31	\$51,292.46	\$321,252.77	\$438,821.44	\$522,197.51
4556	O 'RING SELLOS	UND	1	\$211,337.00	\$40,154.03	\$251,491.03	\$108,400.50	\$20,596.10	\$128,996.60	\$127,057.00</				

ITEM	MOTONIVELADORA CATERPILLAR 120 K		UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS				VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION														
4559	PASADOR PISTÓN		UND	1	\$315,499.59	\$59,944.92	\$375,444.51	\$642,325.00	\$122,041.75	\$764,366.75	\$326,476.00	\$62,030.44	\$388,506.44	\$428,100.20	\$509,439.23
4560	PASADOR TIJERA		UND	1	\$528,422.00	\$100,400.18	\$628,822.18	\$268,395.90	\$50,995.22	\$319,391.12	\$330,568.00	\$62,807.92	\$393,375.92	\$375,795.30	\$447,196.41
4561	PERA FRENO		UND	1	\$1,416,943.00	\$269,219.17	\$1,686,162.17	\$536,961.68	\$102,022.72	\$638,984.40	\$752,201.00	\$142,918.19	\$895,119.19	\$902,035.23	\$1,073,421.92
4562	PERA PRESOSTATICA		UND	1	\$725,333.00	\$137,813.27	\$863,146.27	\$1,340,029.00	\$254,605.51	\$1,594,634.51	\$681,097.35	\$129,408.50	\$810,506.85	\$915,486.45	\$1,089,428.88
4563	PERA REVERSO		UND	1	\$584,530.00	\$111,060.70	\$695,590.70	\$629,619.00	\$119,627.61	\$749,246.61	\$398,834.40	\$75,778.54	\$474,612.94	\$537,661.13	\$639,816.75
4564	PERA TEMPERATURA		UND	1	\$796,321.00	\$151,300.99	\$947,621.99	\$549,445.55	\$104,394.65	\$653,840.20	\$1,427,692.00	\$271,261.48	\$1,698,953.48	\$924,486.18	\$1,100,138.56
4565	PERNO RUEDA		UND	1	\$233,019.00	\$44,273.61	\$277,292.61	\$179,116.47	\$34,032.13	\$213,148.60	\$285,894.00	\$54,319.86	\$340,213.86	\$232,676.49	\$276,885.02
4566	PIN CACHO		UND	1	\$465,677.00	\$88,478.63	\$554,155.63	\$163,836.00	\$31,128.84	\$194,964.84	\$237,066.00	\$45,042.54	\$282,108.54	\$288,859.67	\$342,743.00
4567	PINTURA GENERAL		UND	1	\$7,856,581.00	\$1,492,750.39	\$9,349,331.39	\$15,224,511.00	\$2,892,657.09	\$18,117,168.09	\$5,879,066.46	\$1,117,022.63	\$6,996,089.09	\$9,653,386.15	\$11,487,529.52
4568	PINTURA PIEZA GRANDE		UND	1	\$1,428,073.00	\$271,333.87	\$1,699,406.87	\$1,463,801.00	\$278,122.19	\$1,741,923.19	\$1,243,839.63	\$236,329.53	\$1,480,169.16	\$1,378,571.21	\$1,640,499.74
4569	PINTURA PIEZA MEDIANA		UND	1	\$2,376,548.00	\$451,544.12	\$2,828,092.12	\$1,405,121.00	\$266,972.99	\$1,672,093.99	\$1,323,480.04	\$251,461.21	\$1,574,941.25	\$1,701,716.35	\$2,025,042.45
4570	PINTURA PIEZA PEQUEÑA		UND	1	\$1,350,105.00	\$256,519.95	\$1,606,624.95	\$966,922.00	\$183,715.18	\$1,150,637.18	\$903,880.87	\$171,737.37	\$1,075,618.24	\$1,073,635.96	\$1,277,626.79
4571	PIÑÓN SINCRONIZADOR 2A		UND	1	\$1,274,409.92	\$242,137.89	\$1,516,547.81	\$1,889,947.00	\$359,089.93	\$2,249,036.93	\$2,735,187.00	\$519,685.53	\$3,254,872.53	\$1,966,514.64	\$2,340,152.42
4572	PIÑÓN SINCRONIZADOR 3A-4A		UND	1	\$1,301,274.00	\$247,242.06	\$1,548,516.06	\$866,901.79	\$164,711.34	\$1,031,613.13	\$1,042,678.00	\$198,108.82	\$1,240,786.82	\$1,070,284.60	\$1,273,638.67
4573	PIÑÓN SINCRONIZADOR 5A- REVERSA		UND	1	\$1,224,951.61	\$232,740.81	\$1,457,692.42	\$2,899,331.00	\$550,872.89	\$3,450,203.89	\$1,641,434.00	\$311,872.46	\$1,953,306.46	\$1,921,905.54	\$2,287,067.59
4574	PISTÓN MORDAZA		UND	1	\$837,051.00	\$159,039.69	\$996,090.69	\$725,058.00	\$137,761.02	\$862,819.02	\$594,608.68	\$112,975.65	\$707,584.33	\$718,905.89	\$855,498.01
4575	PLANETARIOS TRANSMISIÓN		UND	1	\$1,275,596.12	\$242,363.26	\$1,517,959.38	\$1,805,973.00	\$343,134.87	\$2,149,107.87	\$2,715,689.00	\$515,980.91	\$3,231,669.91	\$1,932,419.37	\$2,299,579.05
4576	POLEA ALTERNADOR		UND	1	\$594,429.03	\$112,941.52	\$707,370.55	\$1,060,376.00	\$201,471.44	\$1,261,847.44	\$793,713.00	\$150,805.47	\$944,518.47	\$816,172.68	\$971,245.49
4577	POLEA BOMBA DIRECCIÓN		UND	1	\$556,892.89	\$105,809.65	\$662,702.54	\$752,245.00	\$142,926.55	\$895,171.55	\$691,285.00	\$131,344.15	\$822,629.15	\$666,807.63	\$793,501.08
4578	POLEA CIGÜEÑAL		UND	1	\$1,679,477.00	\$319,100.63	\$1,998,577.63	\$734,326.64	\$139,522.06	\$873,848.70	\$911,574.00	\$173,199.06	\$1,084,773.06	\$1,108,459.21	\$1,319,066.46
4579	PORTA DIODOS ALTERNADOR		UND	1	\$326,690.88	\$62,071.27	\$388,762.15	\$439,308.00	\$83,468.52	\$522,776.52	\$435,628.00	\$82,769.32	\$518,397.32	\$400,542.29	\$476,645.33
4580	PORTA MANGUETA DELANTERA LH/RH		UND	1	\$2,755,928.00	\$523,626.32	\$3,279,554.32	\$1,473,486.00	\$279,962.34	\$1,753,448.34	\$1,165,831.15	\$221,507.92	\$1,387,339.07	\$1,798,415.05	\$2,140,113.91
4581	PRENSA EMBRAGUE		UND	1	\$2,226,869.00	\$423,105.11	\$2,649,974.11	\$3,212,376.00	\$610,351.44	\$3,822,727.44	\$1,545,594.13	\$293,662.88	\$1,839,257.01	\$2,328,279.71	\$2,770,652.85
4582	PUNTA EJE LADO CAJA		UND	1	\$1,503,254.72	\$285,618.40	\$1,788,873.12	\$2,066,290.00	\$392,595.10	\$2,458,885.10	\$1,759,752.00	\$334,352.88	\$2,094,104.88	\$1,776,432.24	\$2,113,954.37
4583	PUNTA EJE LADO RUEDA		UND	1	\$2,486,184.00	\$472,374.96	\$2,958,558.96	\$1,553,590.00	\$295,182.10	\$1,848,772.10	\$1,038,199.22	\$197,257.85	\$1,235,457.07	\$1,692,657.74	\$2,014,262.71
4584	PUNTA INYECTOR		UND	1	\$1,223,234.00	\$232,414.46	\$1,455,648.46	\$1,045,908.55	\$198,722.62	\$1,244,631.17	\$1,787,653.00	\$339,654.07	\$2,127,307.07	\$1,352,265.18	\$1,609,195.57
4585	RACOR MORDAZA		UND	1	\$164,221.41	\$31,202.07	\$195,423.48	\$221,293.00	\$42,045.67	\$263,338.67	\$322,107.00	\$61,200.33	\$383,307.33	\$235,873.80	\$280,689.83
4586	RADIADOR		UND	1	\$6,331,245.00	\$1,202,936.55	\$7,534,181.55	\$6,977,185.00	\$1,325,665.15	\$8,302,850.15	\$5,151,356.87	\$978,757.81	\$6,130,114.68	\$6,153,262.29	\$7,322,382.13
4587	REFRIGERANTE		UND	1	\$132,136.42	\$25,105.92	\$157,242.34	\$187,679.00	\$35,659.01	\$223,338.01	\$307,245.00	\$58,376.55	\$365,621.55	\$209,020.14	\$248,733.97
4588	REGULADOR ALTERNADOR		UND	1	\$1,268,716.00	\$241,056.04	\$1,509,772.04	\$660,860.00	\$125,563.40	\$786,423.40	\$565,762.82	\$107,494.94	\$673,257.76	\$831,779.61	\$989,817.73
4589	REJILLA AIRE CABINA		UND	1	\$2,289,505.25	\$435,006.00	\$2,724,511.25	\$3,086,701.00	\$586,473.19	\$3,673,174.19	\$5,815,230.00	\$1,104,893.70	\$6,920,123.70	\$3,730,478.75	\$4,439,269.71
4590	RELAY LUCES		UND	1	\$344,698.00	\$55,492.62	\$400,190.62	\$224,556.88	\$42,665.81	\$267,222.69	\$330,834.00	\$62,858.46	\$393,692.46	\$300,029.63	\$357,035.26
4591	RESISTENCIA AIRE ACONDICIONADO		UND	1	\$1,138,569.00	\$216,328.11	\$1,354,897.11	\$972,513.19	\$184,777.51	\$1,157,290.70	\$2,109,471.00	\$400,799.49	\$2,510,270.49	\$1,406,851.06	\$1,674,152.77
4592	RESORTE		UND	1	\$152,015.00	\$28,882.85	\$180,897.85	\$127,410.86	\$24,208.06	\$151,618.92	\$203,322.00	\$38,631.18	\$241,953.18	\$160,915.95	\$191,489.98
4593	RESORTE FRENOS		UND	1	\$183,433.00	\$34,852.27	\$218,285.27	\$128,285.00	\$24,031.93	\$152,316.93	\$180,918.00	\$34,066.81	\$213,984.81	\$171,587.98	\$204,189.69
4594	RETEN CIGÜEÑAL		UND	1	\$351,971.65	\$66,874.61	\$418,846.26	\$444,787.00	\$84,509.53	\$529,296.53	\$680,717.00	\$129,336.23	\$810,053.23	\$492,491.88	\$586,065.34
4595	RETEN HOUSING		UND	1	\$272,838.00	\$51,839.22	\$324,677.22	\$239,765.51	\$45,555.45	\$285,320.96	\$382,646.00	\$72,702.74	\$455,348.74	\$298,416.50	\$355,115.64
4596	RETEN PORTA MANGUETA		UND	1	\$291,794.00	\$55,440.86	\$347,234.86	\$277,305.00	\$52,687.95	\$329,992.95	\$255,578.76	\$48,559.96	\$304,138.72	\$274,892.59	\$327,122.18
4597	RETEN RUEDA DELANTERA		UND	1	\$310,741.67	\$59,040.92	\$369,782.59	\$390,015.00	\$74,102.85	\$464,117.85	\$477,034.00	\$141,936.46	\$618,970.46	\$482,596.89	\$574,290.30
4598	RETEN SINFIN		UND	1	\$507,742.00	\$96,470.98	\$604,212.98	\$399,520.00	\$75,908.80	\$475,428.80	\$298,367.94	\$56,689.91	\$355,057.85	\$401,876.65	\$478,233.21
4599	RETEN SPEED		UND	1	\$409,110.17	\$77,730.93	\$486,841.10	\$768,608.00	\$146,035.52	\$914,643.52	\$613,228.00	\$116,513.32	\$729,741.32	\$596,982.06	\$710,408.65
4600	RETEN TAPA REPARTICIÓN		UND	1	\$478,655.00	\$90,944.45	\$569,599.45	\$428,988.00	\$81,507.72	\$510,495.72	\$296,354.03	\$56,307.27	\$352,661.30	\$401,332.34	\$477,585.49
4601	RIN		UND	1	\$1,123,473.98	\$213,460.06	\$1,336,934.04	\$1,860,137.00	\$353,426.03	\$2,213,563.03	\$1,231,897.00	\$234,060.43	\$1,465,957.43	\$1,405,169.33	\$1,672,151.50
4602	RODAMIENTO INTERNO BOCIN		UND	1	\$538,329.00	\$102,282.51	\$640,611.51	\$459,078.00	\$87,224.82	\$546,302.82	\$437,537.52	\$83,132.13	\$620,669.65	\$478,314.84	\$569,194.66
4603	RODAMIENTO RUEDA DELANTERO		UND	1	\$908,975.00	\$172,705.25	\$1,081,680.25	\$765,141.69	\$145,376.92	\$910,518.61	\$1,104,655.00	\$209,884.45	\$1,314,539.45	\$926,257.23	\$1,102,246.10
4604	RODAMIENTO RUEDA TRASERA		UND	1	\$2,677,946.00	\$508,809.74	\$3,186,755.74	\$1,405,184.00	\$266,984.96	\$1,672,168.96	\$974,778.62	\$185,207.94	\$1,159,986.56	\$1,685,969.54	\$2,006,303.75
4605	RODILLO AGUJA PORTA MANGUETA		UND	1	\$954,662.00	\$181,385.78	\$1,136,047.78	\$1,138,281.00	\$216,273.39	\$1,354,554.39	\$638,217.71	\$121,261.36	\$759,479.07	\$910,386.90	\$1,083,360.41
4606	RODILLO CANASTA TRANSMISIÓN		UND	1	\$747,627.00	\$142,049.13	\$889,676.13	\$1,222,582.00	\$232,290.58	\$1,454,872.58	\$674,984.38	\$128,247.03	\$803,231.41	\$881,731.13	\$1,049,260.04
4607	RODILLO EJE CORREDIZO PIÑÓN 1A-2A		UND	1	\$1,342,398.00	\$255,055.62	\$1,597,453.62	\$658,914.69	\$125,193.79	\$784,108.48	\$698,140.00	\$132,646.60	\$830,786.60	\$899,817.56	\$1,070,782.90
4608	RODILLO EJE CORREDIZO PIÑÓN 3A-4A		UND	1	\$845,689.00	\$160,680.91	\$1,006,369.91	\$1,223,062.00	\$232,381.78	\$1,455,443.78	\$751,015.99	\$142,693.04	\$893,709.03	\$939,922.33	\$1,118,507.57
4609															

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS					VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION															
4618	ROTULA SUPERIOR			UND	1	\$548,985.00	\$104,307.15	\$653,292.15	\$517,773.10	\$98,376.89	\$616,149.99	\$706,258.00	\$134,189.02	\$840,447.02	\$591,005.37	\$703,296.39
4619	SATELITES TRANSMISIÓN			UND	1	\$3,203,527.00	\$608,670.13	\$3,812,197.13	\$1,623,187.74	\$308,405.67	\$1,931,593.41	\$2,147,417.00	\$408,009.23	\$2,555,426.23	\$2,324,710.58	\$2,766,405.59
4620	SENSOR ACCELERACIÓN (TPS)			UND	1	\$481,125.04	\$91,413.76	\$572,538.80	\$498,127.00	\$94,644.13	\$592,771.13	\$627,672.00	\$175,497.68	\$1,099,169.68	\$634,308.01	\$754,826.54
4621	SENSOR FLUJO DE AIRE			UND	1	\$660,826.00	\$125,556.94	\$786,382.94	\$979,361.00	\$186,078.59	\$1,165,439.59	\$552,120.76	\$104,902.94	\$657,023.70	\$730,769.25	\$869,615.41
4622	SENSOR RADIADOR			UND	1	\$558,828.00	\$106,177.32	\$665,005.32	\$385,369.75	\$73,220.25	\$458,590.00	\$1,094,919.00	\$208,034.61	\$1,302,953.61	\$679,705.58	\$808,849.64
4623	SENSOR VELOCIMETRO			UND	1	\$1,324,909.00	\$251,732.71	\$1,576,641.71	\$701,064.00	\$133,202.16	\$834,266.16	\$663,330.91	\$126,032.87	\$789,363.78	\$896,434.64	\$1,066,757.22
4624	SOLENOIDE BOMBA INYECCIÓN			UND	1	\$1,006,884.00	\$191,307.96	\$1,198,191.96	\$780,617.13	\$148,317.25	\$928,934.38	\$1,753,939.00	\$333,248.41	\$2,087,187.41	\$1,180,480.04	\$1,404,771.25
4625	SOPORTE CAJA			UND	1	\$584,108.53	\$110,980.62	\$695,089.15	\$689,588.00	\$131,021.72	\$820,609.72	\$1,141,770.00	\$216,936.30	\$1,358,706.30	\$805,155.51	\$958,135.06
4626	SOPORTE CARDAN			UND	1	\$743,229.00	\$141,213.51	\$884,442.51	\$678,464.00	\$128,908.16	\$807,372.16	\$988,016.00	\$187,723.04	\$1,175,739.04	\$803,236.33	\$955,851.24
4627	SOPORTE FILTRO COMBUSTIBLE			UND	1	\$258,564.52	\$49,127.26	\$307,691.78	\$533,137.00	\$101,296.03	\$634,433.03	\$381,552.00	\$72,494.88	\$454,046.88	\$391,084.51	\$465,390.56
4628	SWICHE AIRE ACONDICIONADO			UND	1	\$3,261,670.00	\$619,717.30	\$3,881,387.30	\$2,323,523.78	\$441,469.52	\$2,764,993.30	\$5,533,767.00	\$1,051,415.73	\$6,585,182.73	\$3,706,320.26	\$4,410,521.11
4629	SWICHE DIRECCIONAL			UND	1	\$1,126,761.98	\$214,084.78	\$1,340,846.76	\$1,547,153.00	\$293,959.07	\$1,841,112.07	\$1,485,993.00	\$282,338.67	\$1,768,331.67	\$1,386,635.99	\$1,650,096.83
4630	SWICHE ELEVA VIDRIOS			UND	1	\$474,427.13	\$90,141.16	\$564,568.29	\$700,727.00	\$133,138.13	\$833,865.13	\$812,814.00	\$154,434.66	\$967,248.66	\$662,656.04	\$788,560.69
4631	SWICHE IGNICIÓN			UND	1	\$1,273,572.00	\$241,978.68	\$1,515,550.68	\$1,537,533.00	\$292,131.27	\$1,829,664.27	\$991,214.19	\$188,330.70	\$1,179,544.89	\$1,267,439.73	\$1,508,253.28
4632	SWICHE PARQUEO			UND	1	\$533,502.00	\$101,365.38	\$634,867.38	\$454,776.14	\$86,407.47	\$541,183.61	\$1,000,783.00	\$190,148.77	\$1,190,931.77	\$663,020.38	\$788,994.25
4633	TAPA LLENADO ACEITE MOTOR			UND	1	\$1,344,381.00	\$255,432.39	\$1,599,813.39	\$716,590.00	\$136,152.10	\$852,742.10	\$542,351.86	\$103,046.85	\$645,398.71	\$867,774.29	\$1,032,651.40
4634	TERMINAL DIRECCIÓN			UND	1	\$524,728.00	\$99,698.32	\$624,426.32	\$809,866.00	\$153,874.54	\$963,740.54	\$515,969.74	\$98,034.25	\$614,003.99	\$616,854.58	\$734,056.95
4635	TERMOSTATO			UND	1	\$442,837.67	\$84,139.16	\$526,976.83	\$871,570.00	\$165,598.30	\$1,037,168.30	\$800,596.00	\$110,313.24	\$690,909.24	\$631,667.89	\$751,684.79
4636	TUERA INFERIOR			UND	1	\$1,477,716.00	\$280,766.04	\$1,758,482.04	\$2,216,112.00	\$421,061.28	\$2,637,173.28	\$1,449,117.65	\$275,332.35	\$1,724,450.00	\$1,714,315.22	\$2,040,035.11
4637	TUERA SUPERIOR			UND	1	\$1,694,593.00	\$321,972.67	\$2,016,565.67	\$2,906,505.00	\$552,235.95	\$3,458,740.95	\$1,169,114.47	\$222,131.75	\$1,391,246.22	\$1,923,404.16	\$2,288,850.95
4638	TORNILLO BALANCÍN			UND	1	\$140,596.14	\$26,713.27	\$167,309.41	\$161,343.00	\$30,655.17	\$191,998.17	\$215,611.00	\$40,966.09	\$256,577.09	\$172,516.71	\$205,294.89
4639	TORNILLO BARRA TORSIÓN			UND	1	\$256,843.00	\$48,800.17	\$305,643.17	\$121,523.26	\$23,089.42	\$144,612.68	\$146,947.00	\$27,919.93	\$174,866.93	\$175,104.42	\$208,374.26
4640	TORNILLO CENTRAL			UND	1	\$343,530.00	\$65,270.70	\$408,800.70	\$124,478.95	\$23,651.00	\$148,129.95	\$172,747.00	\$32,821.93	\$205,568.93	\$213,585.32	\$254,166.53
4641	TORNILLO CULATA			UND	1	\$212,987.00	\$40,467.53	\$253,454.53	\$149,044.69	\$28,318.49	\$177,363.18	\$211,216.00	\$40,131.04	\$251,347.04	\$191,082.56	\$227,388.25
4642	TORNILLO POLEA CIGÜERAL			UND	1	\$224,364.00	\$42,629.16	\$266,993.16	\$129,276.00	\$24,562.44	\$153,838.44	\$119,950.72	\$22,790.64	\$142,741.36	\$157,863.57	\$187,857.65
4643	TORNILLO VOLANTE			UND	1	\$119,798.00	\$22,761.62	\$142,559.62	\$95,561.08	\$18,156.61	\$113,717.69	\$201,263.00	\$38,239.97	\$239,502.97	\$138,874.03	\$165,260.09
4644	TRAMPA COMBUSTIBLE			UND	1	\$1,133,416.00	\$215,349.04	\$1,348,765.04	\$1,977,219.00	\$375,671.61	\$2,352,890.61	\$980,151.52	\$186,228.79	\$1,166,380.31	\$1,363,595.51	\$1,622,678.65
4645	TREN FIJO			UND	1	\$6,994,044.51	\$1,328,868.46	\$8,322,912.97	\$7,335,234.00	\$1,393,694.46	\$8,728,928.46	\$12,370,259.00	\$2,350,349.21	\$14,720,608.21	\$8,899,845.84	\$10,590,816.55
4646	TUBO CARDAN			UND	1	\$1,571,519.00	\$298,588.61	\$1,870,107.61	\$841,892.00	\$159,959.48	\$1,001,851.48	\$574,460.71	\$109,147.53	\$683,608.24	\$995,957.24	\$1,185,189.11
4647	TUBO FRENO POR METRO			UND	1	\$437,851.00	\$83,191.68	\$521,042.68	\$378,984.27	\$72,007.01	\$450,991.28	\$633,273.00	\$120,321.87	\$753,594.87	\$483,369.42	\$575,209.61
4648	TUBO SURTIDOR INYECTOR 1A			UND	1	\$765,457.00	\$145,436.83	\$910,893.83	\$843,449.00	\$160,255.31	\$1,003,704.31	\$616,137.51	\$117,066.13	\$733,203.64	\$741,681.17	\$882,600.59
4649	TUBO SURTIDOR INYECTOR 2A			UND	1	\$502,157.29	\$95,409.89	\$597,567.18	\$648,009.00	\$123,121.71	\$771,130.71	\$724,177.00	\$137,593.63	\$861,770.63	\$624,781.10	\$743,489.51
4650	TUBO SURTIDOR INYECTOR 3A			UND	1	\$622,464.44	\$118,268.24	\$740,732.68	\$681,308.00	\$129,448.52	\$810,756.52	\$1,225,739.00	\$232,890.41	\$1,458,629.41	\$843,170.48	\$1,003,372.87
4651	TUBO SURTIDOR INYECTOR 4A			UND	1	\$765,532.00	\$145,451.08	\$910,983.08	\$760,773.00	\$144,546.87	\$905,319.87	\$654,770.45	\$124,406.39	\$779,176.84	\$727,025.15	\$865,159.93
4652	TUERCA CACHO DELANTERO			UND	1	\$283,881.00	\$53,937.39	\$337,818.39	\$214,028.00	\$40,665.32	\$254,693.32	\$162,336.38	\$30,843.91	\$193,180.29	\$220,081.79	\$261,897.33
4653	TUERCA SPEED			UND	1	\$140,749.18	\$26,742.34	\$167,491.52	\$333,439.00	\$63,353.41	\$396,792.41	\$210,413.00	\$39,978.47	\$250,391.47	\$228,200.39	\$271,558.47
4654	TURBO CARGADOR			UND	1	\$18,041,401.00	\$3,427,866.19	\$21,469,267.19	\$13,380,316.95	\$2,542,260.22	\$15,922,577.17	\$26,689,553.00	\$5,071,015.07	\$31,760,568.07	\$19,370,423.65	\$23,050,804.14
4655	UNIDAD COMPLETA LHIRH			UND	1	\$3,263,048.01	\$619,979.12	\$3,883,027.13	\$4,381,640.00	\$832,511.60	\$5,214,151.60	\$7,690,004.00	\$1,461,100.76	\$9,151,104.76	\$5,111,564.00	\$6,082,761.16
4656	VACUUM TURBO			UND	1	\$941,695.00	\$178,922.05	\$1,120,617.05	\$735,782.51	\$139,798.68	\$875,581.19	\$895,604.00	\$170,164.76	\$1,065,768.76	\$857,693.84	\$1,020,655.67
4657	VÁLVULA EGR			UND	1	\$2,464,654.00	\$468,284.26	\$2,932,938.26	\$2,915,476.00	\$553,940.44	\$3,469,416.44	\$2,246,851.77	\$426,901.84	\$2,673,753.61	\$2,542,327.26	\$3,025,369.44
4658	VÁLVULA PRESOSTATICA			UND	1	\$2,308,120.00	\$438,542.80	\$2,746,662.80	\$1,281,367.66	\$243,459.86	\$1,524,827.52	\$1,848,194.00	\$351,156.86	\$2,199,350.86	\$1,812,560.55	\$2,156,947.06
4659	VÁLVULAS ADMISIÓN Y ESCAPE			UND	1	\$2,714,922.92	\$515,835.35	\$3,230,758.27	\$4,005,484.00	\$761,041.96	\$4,766,525.96	\$3,914,315.00	\$743,719.85	\$4,658,034.85	\$3,544,907.31	\$4,218,439.69
4660	VASTAGO IMPULSADOR			UND	1	\$624,772.00	\$118,706.68	\$743,478.68	\$654,320.00	\$124,320.80	\$778,640.80	\$586,241.57	\$111,385.90	\$697,627.47	\$621,777.86	\$739,915.65
4661	VENTILADOR			UND	1	\$1,738,491.00	\$330,313.29	\$2,068,804.29	\$1,533,628.30	\$291,389.38	\$1,825,017.68	\$3,223,407.00	\$612,447.33	\$3,835,854.33	\$2,165,175.43	\$2,576,558.77
4662	VIDRIO LATERAL			UND	1	\$1,137,617.00	\$216,147.23	\$1,353,764.23	\$1,132,969.00	\$215,264.11	\$1,348,233.11	\$988,275.98	\$187,772.44	\$1,176,048.42	\$1,086,287.33	\$1,292,681.92
4663	VIDRIO PANORÁMICO DELANTERO			UND	1	\$3,110,516.00	\$590,998.04	\$3,701,514.04	\$1,865,117.43	\$354,372.31	\$2,219,489.74	\$2,475,079.00	\$470,265.01	\$2,945,344.01	\$2,483,570.81	\$2,955,449.26
4664	VIDRIO PANORÁMICO TRASERO			UND	1	\$1,378,280.65	\$261,873.32	\$1,640,153.97	\$1,914,413.00	\$363,738.47	\$2,278,151.47	\$1,750,279.00	\$332,553.01	\$2,082,832.01	\$1,680,990.88	\$2,000,379.15
4665	VOLANTE MOTOR			UND	1	\$7,741,267.00	\$1,470,840.73	\$9,212,107.73	\$4,441,325.70	\$843,851.88	\$5,285,177.58	\$6,094,623.00	\$1,157,978.37	\$7,252,601.37	\$6,092,405.23	\$7,249,962.23
MODELO 2023																
DESCRIPCION		UNIDAD	CANT													
4666	AMORTIGUADOR			UND	1	\$1,193,811.00	\$226,824.09	\$1,420,635.09	\$848,471.39	\$161,209.56	\$1,009,680.95	\$1,716,058.00	\$326,051.02	\$2,042,109.02	\$1,252,780.13	\$1,490,808.35
4667	BOMBA AUXILIAR DE EMBRAGUE			UND	1	\$637,072.00	\$121,043.68	\$758,115.68	\$579,490.00	\$110,103.10	\$689,593.10	\$48				

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO			
	REPUESTOS					VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA		
	DESCRIPCION																	
4675	BRONCE SINCRONIZADOR 5A-					UND	1	\$624,943.42	\$118,739.25	\$743,682.67	\$944,006.00	\$179,361.14	\$1,123,367.14	\$808,929.00	\$153,696.51	\$962,625.51	\$792,626.14	\$943,225.11
4676	BUJE BALANCIN MUELLE					UND	1	\$233,339.00	\$44,334.41	\$277,673.41	\$323,424.00	\$61,450.56	\$384,874.56	\$217,767.20	\$41,375.77	\$259,142.97	\$258,176.73	\$307,230.31
4677	BUJE BARRA ESTABILIZADORA					UND	1	\$189,689.48	\$36,041.00	\$225,730.48	\$244,924.00	\$46,535.56	\$291,459.56	\$400,431.00	\$76,081.89	\$476,512.89	\$278,348.16	\$331,234.31
4678	BUJE BIELA					UND	1	\$286,314.00	\$54,399.66	\$340,713.66	\$506,494.00	\$96,233.86	\$602,727.86	\$225,508.12	\$42,846.54	\$268,354.66	\$339,438.71	\$403,932.06
4679	BUJE CAJA DIRECCION					UND	1	\$423,524.00	\$80,469.56	\$503,993.56	\$224,855.00	\$42,722.45	\$267,577.45	\$151,866.73	\$28,854.68	\$180,721.41	\$266,748.58	\$317,430.81
4680	BUJE DE LEVA					UND	1	\$304,532.00	\$57,861.08	\$362,393.08	\$403,547.00	\$76,673.93	\$480,220.93	\$208,669.64	\$39,647.23	\$248,316.87	\$305,582.88	\$363,643.63
4681	BUJE MUELLE					UND	1	\$256,119.00	\$48,662.61	\$304,781.61	\$177,046.68	\$33,638.87	\$210,685.55	\$204,725.00	\$38,897.75	\$243,622.75	\$212,630.23	\$253,029.97
4682	BUJE TUERA					UND	1	\$814,574.00	\$154,769.06	\$969,343.06	\$816,910.00	\$155,212.90	\$972,122.90	\$578,247.53	\$109,867.03	\$688,114.56	\$736,577.18	\$876,526.84
4683	BUJIA					UND	1	\$196,526.77	\$37,340.09	\$233,866.86	\$436,931.00	\$83,016.89	\$519,947.89	\$269,236.00	\$51,154.84	\$320,390.84	\$300,897.92	\$358,068.53
4684	CAJA DIRECCION					UND	1	\$29,074,213.00	\$5,524,100.47	\$34,598,313.47	\$15,199,678.00	\$2,887,938.82	\$18,087,616.82	\$10,918,343.61	\$2,074,485.29	\$12,992,828.90	\$18,397,411.54	\$21,892,919.73
4685	CAMBIO LIQUIDO FRENOS					UND	1	\$310,135.00	\$58,925.65	\$369,060.65	\$210,659.00	\$40,025.21	\$250,684.21	\$195,191.45	\$37,086.38	\$232,277.83	\$238,661.82	\$284,007.56
4686	CAMBIO SENSOR EMISION DE GASES					UND	1	\$985,340.00	\$187,214.60	\$1,172,554.60	\$745,273.00	\$141,601.87	\$886,874.87	\$517,417.70	\$98,309.36	\$615,727.06	\$749,343.57	\$891,718.84
4687	CAMPANA DE FRENO					UND	1	\$2,047,978.00	\$389,115.82	\$2,437,093.82	\$1,041,319.00	\$197,850.61	\$1,239,169.61	\$887,371.22	\$168,600.53	\$1,055,971.75	\$1,325,556.07	\$1,577,411.73
4688	CASQUETES DE BANCADA					UND	1	\$1,509,470.00	\$286,799.30	\$1,796,269.30	\$787,350.00	\$149,596.50	\$936,946.50	\$581,839.22	\$110,549.45	\$692,388.67	\$959,553.07	\$1,141,868.16
4689	CASQUETES DE BIELA MOTOR					UND	1	\$452,743.00	\$86,021.17	\$538,764.17	\$792,690.00	\$150,611.10	\$943,301.10	\$439,820.41	\$83,565.88	\$523,386.29	\$561,751.14	\$668,483.85
4690	CAUCHO CARDAN					UND	1	\$142,946.73	\$27,159.88	\$170,106.61	\$220,928.00	\$41,976.32	\$262,904.32	\$166,404.00	\$31,616.76	\$198,020.76	\$176,759.58	\$210,343.90
4691	CAUCHOS, BUJE AMORTIGUADOR					UND	1	\$169,497.25	\$32,204.48	\$201,701.73	\$180,948.00	\$34,380.12	\$215,328.12	\$295,266.00	\$56,100.54	\$351,366.54	\$215,237.08	\$256,132.13
4692	CHAPAS PUERTAS DELANTERAS					UND	1	\$1,022,216.00	\$194,221.04	\$1,216,437.04	\$714,519.13	\$135,758.63	\$850,277.76	\$1,131,779.00	\$215,038.01	\$1,346,817.01	\$956,171.38	\$1,137,843.94
4693	CHAPAS PUERTAS TRASERAS					UND	1	\$1,086,710.00	\$206,474.90	\$1,293,184.90	\$842,521.32	\$160,079.05	\$1,002,600.37	\$1,636,660.00	\$310,965.40	\$1,947,625.40	\$1,188,630.44	\$1,414,470.22
4694	CHOROTE ARRANQUE					UND	1	\$389,856.81	\$74,072.79	\$463,929.60	\$552,431.00	\$104,961.89	\$657,392.89	\$840,922.00	\$159,775.18	\$1,000,697.18	\$594,403.27	\$707,339.89
4695	CIGÜEÑAL MOTOR					UND	1	\$28,411,049.00	\$5,398,099.31	\$33,809,148.31	\$19,308,780.36	\$3,668,668.27	\$22,977,448.63	\$32,792,076.00	\$6,230,494.44	\$39,022,570.44	\$26,837,301.79	\$31,936,389.13
4696	CILINDRO FRENO					UND	1	\$297,624.31	\$56,548.62	\$354,172.93	\$642,855.00	\$122,142.45	\$764,997.45	\$379,955.00	\$72,191.45	\$452,146.45	\$440,144.77	\$523,772.28
4697	COMPRESOR AIRE ACONDICIONADO					UND	1	\$5,244,175.35	\$996,393.32	\$6,240,568.67	\$5,880,586.00	\$1,117,311.34	\$6,997,897.34	\$8,503,662.00	\$1,615,695.78	\$10,119,357.78	\$6,542,807.78	\$7,785,941.26
4698	CONDENSADOR AIRE ACONDICIONADO					UND	1	\$1,725,917.13	\$327,924.25	\$2,053,841.38	\$2,586,536.00	\$491,441.84	\$3,077,977.84	\$5,009,726.00	\$951,847.94	\$5,961,573.94	\$3,107,393.04	\$3,697,797.72
4699	CONECTOR SENSOR FLUJO DE AIRE					UND	1	\$181,688.56	\$34,520.83	\$216,209.39	\$240,264.00	\$45,650.16	\$285,914.16	\$455,838.00	\$86,609.22	\$542,447.22	\$292,596.85	\$348,190.26
4700	CONECTOR SENSOR MAP					UND	1	\$297,862.00	\$56,593.78	\$354,455.78	\$519,715.00	\$98,745.85	\$618,460.85	\$231,085.82	\$43,906.31	\$274,992.13	\$349,554.27	\$415,969.59
4701	CORONA /SPEED					UND	1	\$14,257,758.00	\$2,708,974.02	\$16,966,732.02	\$7,503,339.00	\$1,425,634.41	\$8,928,973.41	\$5,798,551.30	\$1,101,724.75	\$6,900,276.05	\$9,186,549.43	\$10,931,993.83
4702	CORREA ACCESORIO					UND	1	\$671,452.00	\$127,575.88	\$799,027.88	\$487,730.08	\$92,668.72	\$580,398.80	\$751,611.00	\$142,806.09	\$894,417.09	\$636,931.03	\$757,947.92
4703	CORREA ALTERNADOR					UND	1	\$455,571.00	\$86,558.49	\$542,129.49	\$864,991.00	\$164,348.29	\$1,029,339.29	\$324,021.28	\$61,564.04	\$385,585.32	\$548,194.43	\$652,351.37
4704	CORREA DE MOTOR					UND	1	\$320,652.00	\$60,923.88	\$381,575.88	\$307,451.62	\$56,815.81	\$365,867.43	\$319,583.00	\$60,720.77	\$380,303.77	\$315,895.54	\$375,915.69
4705	CREMALLERA VOLANTE					UND	1	\$1,254,501.00	\$238,355.19	\$1,492,856.19	\$674,212.00	\$128,100.28	\$802,312.28	\$536,028.87	\$101,845.49	\$637,874.36	\$821,580.62	\$977,680.94
4706	CRUCETA CAÑA DIRECCION					UND	1	\$511,456.00	\$97,176.64	\$608,632.64	\$449,755.22	\$85,453.49	\$535,208.71	\$534,391.00	\$101,534.29	\$635,925.29	\$498,534.07	\$593,255.55
4707	CRUCETA CARDAN					UND	1	\$1,168,691.00	\$222,051.29	\$1,390,742.29	\$691,464.00	\$131,378.16	\$822,842.16	\$471,307.91	\$89,548.50	\$560,856.41	\$777,154.30	\$924,813.62
4708	CULATA MOTOR					UND	1	\$17,328,685.00	\$3,292,450.15	\$20,621,135.15	\$10,124,337.58	\$1,923,624.14	\$12,047,961.72	\$11,859,409.00	\$2,253,287.71	\$14,112,696.71	\$13,104,143.86	\$15,593,931.19
4709	CUÑA CIGÜEÑAL					UND	1	\$228,377.00	\$43,391.63	\$271,768.63	\$170,769.13	\$32,446.13	\$203,215.26	\$282,087.00	\$54,736.53	\$342,823.53	\$229,077.71	\$272,602.47
4710	CUÑAS VÁLVULAS					UND	1	\$193,751.00	\$36,812.69	\$230,563.69	\$159,241.52	\$30,255.89	\$189,497.41	\$186,716.00	\$35,476.04	\$222,192.04	\$179,902.84	\$214,084.38
4711	CUPLIN SPEED DELANTERO					UND	1	\$1,552,460.98	\$294,967.59	\$1,847,428.57	\$2,289,488.00	\$435,002.72	\$2,724,490.72	\$3,864,426.00	\$734,240.94	\$4,598,666.94	\$2,568,791.66	\$3,056,862.08
4712	CUPLIN SPEED TRASERO					UND	1	\$2,033,481.00	\$386,361.39	\$2,419,842.39	\$3,141,693.00	\$596,921.67	\$3,738,614.67	\$1,490,183.67	\$283,134.90	\$1,773,318.57	\$2,221,785.89	\$2,643,925.21
4713	DEPOSITO BOMBA DE FRENOS					UND	1	\$1,444,769.00	\$274,506.11	\$1,719,275.11	\$2,027,369.00	\$385,200.11	\$2,412,569.11	\$1,043,666.82	\$198,296.70	\$1,241,963.52	\$1,505,268.27	\$1,791,269.25
4714	DISCO DE FRENO					UND	1	\$2,768,903.00	\$526,091.57	\$3,294,994.57	\$1,485,178.48	\$282,183.91	\$1,767,362.39	\$1,918,635.00	\$364,540.65	\$2,283,175.65	\$2,057,572.16	\$2,448,510.87
4715	DISCO EMBRAGUE					UND	1	\$1,379,100.59	\$262,029.11	\$1,641,129.70	\$2,777,807.00	\$527,783.33	\$3,305,590.33	\$1,645,813.00	\$312,704.47	\$1,958,517.47	\$1,934,240.20	\$2,301,745.83
4716	ECUALIZACIÓN TRANSMISIÓN					UND	1	\$3,865,395.00	\$734,425.05	\$4,599,820.05	\$3,249,195.65	\$617,347.17	\$3,866,542.82	\$6,113,019.00	\$1,161,473.61	\$7,274,492.61	\$4,409,203.22	\$5,246,951.83
4717	EJE CORREDIZO					UND	1	\$2,335,239.00	\$443,695.41	\$2,778,934.41	\$2,875,758.00	\$546,394.02	\$3,422,152.02	\$2,319,310.40	\$440,668.98	\$2,759,979.38	\$2,510,102.47	\$2,987,021.94
4718	EJE TRASERO					UND	1	\$3,129,273.00	\$594,561.87	\$3,723,834.87	\$2,696,145.21	\$512,267.59	\$3,208,412.80	\$5,434,591.00	\$1,032,572.29	\$6,467,163.29	\$3,753,336.40	\$4,466,470.32
4719	EMPAQUE CARTER					UND	1	\$343,850.38	\$65,331.57	\$409,181.95	\$401,001.00	\$76,190.19	\$477,191.19	\$418,911.00	\$79,593.09	\$498,504.09	\$387,920.79	\$461,625.74
4720	EMPAQUE CULATA					UND	1	\$789,213.45	\$149,950.56	\$939,164.01	\$1,545,813.00	\$293,704.47	\$1,839,517.47	\$1,025,320.00	\$194,810.80	\$1,220,130.80	\$1,120,115.48	\$1,332,937.43
4721	EMPAQUE DE MORDAZA					UND	1	\$1,115,576.00	\$211,959.44	\$1,327,535.44	\$599,717.00	\$113,946.23	\$713,663.23	\$406,784.76	\$77,289.10	\$484,073.86	\$707,359.25	\$841,757.51
4722	EMPAQUE MULTIPLE DE ADMISION					UND	1	\$336,556.78	\$63,945.79	\$400,502.57	\$486,630.00	\$92,459.70	\$579,089.70	\$508,812.00	\$96,674.28	\$605,486.28	\$443,999.59	\$528,359.52
4723	EMPAQUE MULTIPLE DE ESCAPE					UND	1	\$507,852.00	\$96,491.88	\$604,343.88	\$277,786.25	\$52,779.39	\$330,565.64	\$378,435.00	\$71,902.65	\$450,337.65	\$388,024.42	\$461,749.06
4724	EMPAQUE SALIDA EXOSTO					UND	1	\$356,071.21	\$67,653.53	\$423,724.74	\$404,078.00	\$76,774.82	\$480,852.82	\$541,563.00	\$102,896.97	\$644,459.97	\$433,904.07	\$516,345.84
4725	EMPAQUE TAPA REPARTICION					UND	1	\$641,498.00	\$121,884.62	\$763,1								

ITEM	MOTONIVELADORA CATERPILLAR 120 K	UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION													
4734	ESCOBILLAS ALTERNADOR	UND	1	\$276,575.00	\$52,549.25	\$329,124.25	\$259,685.29	\$49,340.21	\$309,025.50	\$438,158.00	\$83,250.02	\$521,408.02	\$324,806.10	\$386,519.26
4735	ESPIGO CARDAN	UND	1	\$881,949.00	\$167,570.31	\$1,049,519.31	\$1,786,991.00	\$339,528.29	\$2,126,519.29	\$1,207,291.00	\$229,385.29	\$1,436,676.29	\$1,292,077.00	\$1,537,571.63
4736	EXPLORADORA	UND	1	\$1,412,236.00	\$268,324.84	\$1,680,560.84	\$1,104,061.73	\$209,771.73	\$1,313,833.46	\$2,659,178.00	\$505,243.82	\$3,164,421.82	\$1,725,158.58	\$2,052,938.71
4737	FILTRO ACEITE	UND	1	\$299,354.00	\$56,877.26	\$356,231.26	\$203,075.75	\$38,584.39	\$241,660.14	\$358,144.00	\$68,047.36	\$426,191.36	\$286,857.92	\$341,360.92
4738	FILTRO AIRE	UND	1	\$277,586.52	\$52,741.44	\$330,327.96	\$485,505.00	\$92,245.95	\$577,750.95	\$311,762.00	\$59,234.78	\$370,996.78	\$358,284.51	\$426,358.56
4739	FILTRO COMBUSTIBLE	UND	1	\$601,797.00	\$114,341.43	\$716,138.43	\$650,259.00	\$123,549.21	\$773,808.21	\$419,171.68	\$79,642.62	\$498,814.30	\$557,075.89	\$662,920.31
4740	FLANCHE CARDÁN	UND	1	\$1,453,200.00	\$276,108.00	\$1,729,308.00	\$904,210.00	\$171,799.90	\$1,076,009.90	\$673,796.19	\$128,021.28	\$801,817.47	\$1,010,402.06	\$1,202,378.46
4741	FLASHER DIRECCIONAL	UND	1	\$268,227.57	\$50,963.24	\$319,190.81	\$313,598.00	\$59,583.62	\$373,181.62	\$305,331.00	\$58,012.89	\$363,343.89	\$295,718.86	\$351,905.44
4742	FLAUTA MOTOR	UND	1	\$6,284,758.00	\$1,194,104.02	\$7,478,862.02	\$2,225,188.85	\$422,785.88	\$2,647,974.73	\$3,279,097.00	\$623,028.43	\$3,902,125.43	\$3,929,681.28	\$4,676,320.73
4743	FLOTADOR TANQUE COMBUSTIBLE	UND	1	\$1,187,369.00	\$225,600.11	\$1,412,969.11	\$1,014,905.26	\$192,832.00	\$1,207,737.26	\$1,969,579.00	\$374,220.01	\$2,343,799.01	\$1,390,617.75	\$1,654,835.13
4744	GRADUACIÓN FRENS	UND	1	\$1,412,236.00	\$268,324.84	\$1,680,560.84	\$1,104,061.73	\$209,771.73	\$1,313,833.46	\$2,659,178.00	\$505,243.82	\$3,164,421.82	\$1,725,158.58	\$2,052,938.71
4745	GRAPAS CRUCETA CARDAN	UND	1	\$209,034.00	\$39,716.46	\$248,750.46	\$208,592.93	\$39,632.66	\$248,225.59	\$278,563.00	\$52,926.97	\$331,489.97	\$232,063.31	\$276,155.34
4746	GUARDAPOLVO CAJA DIRECCIÓN	UND	1	\$257,035.00	\$48,836.65	\$305,871.65	\$179,719.00	\$34,146.61	\$213,865.61	\$177,097.34	\$33,648.49	\$210,745.83	\$204,617.11	\$243,494.36
4747	GUARDAPOLVO EJES DELANTERO L/C-L/R	UND	1	\$394,174.00	\$74,893.06	\$469,067.06	\$238,808.05	\$45,373.53	\$284,181.58	\$240,654.00	\$45,724.26	\$286,378.26	\$291,212.02	\$346,542.30
4748	GUAYA ACELERADOR	UND	1	\$1,010,096.00	\$191,918.24	\$1,202,014.24	\$611,674.43	\$116,218.14	\$727,892.57	\$903,749.00	\$171,712.31	\$1,075,461.31	\$841,839.81	\$1,001,789.37
4749	GUAYA EMERGENCIA LH-RH	UND	1	\$756,031.00	\$143,645.89	\$899,676.89	\$551,416.33	\$104,769.10	\$656,185.43	\$1,362,795.00	\$258,931.05	\$1,621,726.05	\$890,080.78	\$1,059,196.12
4750	GUÍAS VÁLVULAS	UND	1	\$542,953.66	\$103,161.19	\$646,114.85	\$1,223,171.00	\$232,402.49	\$1,455,573.49	\$270,185.00	\$36,835.15	\$297,020.15	\$828,769.89	\$986,236.16
4751	HOJA DE RESORTE SEGUNDA PLANA	UND	1	\$751,932.00	\$142,867.08	\$894,799.08	\$708,410.30	\$134,597.96	\$843,008.26	\$785,250.00	\$149,197.50	\$934,447.50	\$748,530.77	\$890,751.61
4752	HOJA RESORTE CUARTA	UND	1	\$642,904.15	\$122,151.79	\$765,055.94	\$920,374.00	\$174,871.06	\$1,095,245.06	\$1,521,945.00	\$289,169.55	\$1,811,114.55	\$1,028,407.72	\$1,223,905.18
4753	HOJA RESORTE PRINCIPAL	UND	1	\$623,411.32	\$118,448.15	\$741,859.47	\$833,440.00	\$158,353.60	\$991,793.60	\$1,133,271.00	\$215,321.49	\$1,348,592.49	\$863,374.11	\$1,027,415.19
4754	HOJA RESORTE SEGUNDA DE VUELTA	UND	1	\$831,674.00	\$158,018.06	\$989,692.06	\$788,016.78	\$149,723.19	\$937,739.97	\$1,388,390.00	\$263,794.10	\$1,652,184.10	\$1,002,693.59	\$1,193,205.38
4755	HOJA RESORTE TERCERA	UND	1	\$1,443,833.00	\$274,328.27	\$1,718,161.27	\$696,997.99	\$132,429.62	\$829,427.61	\$1,042,906.00	\$198,152.14	\$1,241,058.14	\$1,061,245.66	\$1,262,882.34
4756	INDUCIDO ALTERNADOR	UND	1	\$491,688.90	\$93,420.89	\$585,109.79	\$592,504.00	\$112,575.76	\$705,079.76	\$493,882.00	\$93,837.58	\$587,719.58	\$526,024.97	\$625,969.71
4757	INDUCIDO ARRANQUE	UND	1	\$698,673.00	\$132,747.87	\$831,420.87	\$424,477.00	\$80,650.63	\$505,127.63	\$379,968.19	\$72,193.96	\$452,162.15	\$501,039.40	\$596,236.88
4758	INYECTOR	UND	1	\$4,303,382.00	\$817,642.58	\$5,121,024.58	\$2,738,593.00	\$520,332.67	\$3,258,925.67	\$2,618,815.33	\$497,574.91	\$3,116,390.24	\$3,220,263.44	\$3,832,113.50
4759	JUEGO ARANDELAS TRANSMISIÓN	UND	1	\$268,294.00	\$50,975.86	\$319,269.86	\$195,872.26	\$37,215.73	\$233,087.99	\$376,886.00	\$71,608.34	\$448,494.34	\$280,350.75	\$333,617.40
4760	JUEGO BUJES LEVAS	UND	1	\$296,722.89	\$56,377.35	\$353,100.24	\$359,464.00	\$68,298.16	\$427,762.16	\$656,863.00	\$124,803.97	\$781,666.97	\$437,683.30	\$520,843.12
4761	JUEGO DE ANILLOS	UND	1	\$1,714,895.00	\$325,830.05	\$2,040,725.05	\$1,284,183.64	\$243,994.89	\$1,528,178.53	\$2,973,279.00	\$564,923.01	\$3,538,202.01	\$1,990,785.88	\$2,369,035.20
4762	JUEGO DE BANDAS FRENO	UND	1	\$1,280,972.73	\$243,384.82	\$1,524,357.55	\$1,920,975.00	\$364,985.25	\$2,285,960.25	\$3,489,535.00	\$663,011.65	\$4,152,546.65	\$2,230,494.24	\$2,654,288.15
4763	JUEGO DE CAMISAS	UND	1	\$1,495,510.65	\$284,147.02	\$1,779,657.67	\$3,103,969.00	\$589,754.11	\$3,693,723.11	\$2,086,511.00	\$396,817.09	\$2,483,328.09	\$2,229,320.22	\$2,652,902.96
4764	JUEGO DE MEDIALUNAS CIGÜENAL	UND	1	\$791,515.90	\$150,388.02	\$941,903.92	\$1,843,183.00	\$350,204.77	\$2,193,387.77	\$1,163,803.00	\$221,122.57	\$1,384,925.57	\$1,266,167.30	\$1,506,739.09
4765	JUEGO DE OBTURADORES	UND	1	\$515,426.00	\$97,930.94	\$613,356.94	\$834,955.00	\$158,641.45	\$993,596.45	\$384,353.25	\$73,027.12	\$457,380.37	\$578,244.75	\$688,111.25
4766	JUEGO DE PISTONES	UND	1	\$4,184,430.00	\$795,041.70	\$4,979,471.70	\$3,369,864.00	\$640,274.16	\$4,010,138.16	\$2,873,513.82	\$545,967.63	\$3,419,481.45	\$3,475,935.94	\$4,136,363.77
4767	JUEGO ESCOBILLAS ARRANQUE	UND	1	\$345,506.00	\$65,646.14	\$411,152.14	\$275,851.00	\$52,411.69	\$328,262.69	\$188,801.82	\$35,872.35	\$224,674.17	\$270,052.94	\$321,363.00
4768	JUEGO IMPULSADORES	UND	1	\$1,322,387.00	\$251,253.53	\$1,573,640.53	\$489,794.66	\$93,060.99	\$582,855.65	\$714,943.00	\$135,839.17	\$850,782.17	\$842,374.89	\$1,002,426.12
4769	JUEGO PASTILLAS FRENO	UND	1	\$964,229.49	\$183,203.60	\$1,147,433.09	\$1,382,242.00	\$262,625.98	\$1,644,867.98	\$2,104,329.00	\$399,822.51	\$2,504,151.51	\$1,483,600.16	\$1,765,484.19
4770	JUEGO PLUMILLAS	UND	1	\$337,124.00	\$64,053.56	\$401,177.56	\$401,975.00	\$76,375.25	\$478,350.25	\$246,021.01	\$46,743.99	\$292,765.00	\$328,373.34	\$390,764.27
4771	JUEGO PUNTILLA FRENO	UND	1	\$179,729.00	\$34,148.51	\$213,877.51	\$127,328.88	\$24,192.49	\$151,521.37	\$168,385.00	\$31,993.15	\$200,378.15	\$158,480.96	\$188,592.34
4772	KIT BUJES AJUSTE PALANCA CAMBIOS	UND	1	\$272,813.23	\$51,834.51	\$324,647.74	\$396,058.00	\$75,251.02	\$471,309.02	\$746,168.00	\$141,771.92	\$887,939.92	\$471,679.74	\$561,298.89
4773	KIT DE REPARACIÓN DE INYECTORES	UND	1	\$403,626.00	\$76,688.94	\$480,314.94	\$317,376.40	\$60,301.52	\$377,677.92	\$671,672.00	\$127,617.68	\$799,289.68	\$464,224.80	\$552,427.51
4774	KIT EMBRAGUE-DISCO-PRENSA-BALINERA	UND	1	\$13,795,038.00	\$2,621,057.22	\$16,416,095.22	\$7,496,653.00	\$1,424,364.07	\$8,921,017.07	\$5,224,614.00	\$992,676.66	\$6,217,290.66	\$8,838,768.33	\$10,518,134.32
4775	KIT MORDAZA	UND	1	\$736,047.00	\$139,848.93	\$875,895.93	\$494,897.61	\$94,030.55	\$588,928.16	\$1,266,413.00	\$240,618.47	\$1,507,031.47	\$832,452.54	\$990,618.52
4776	KIT MOTOR COMPLETO	UND	1	\$19,497,318.00	\$3,704,490.42	\$23,201,808.42	\$18,195,300.00	\$3,457,107.00	\$21,652,407.00	\$13,014,585.19	\$2,472,771.19	\$15,487,356.38	\$16,902,401.06	\$20,113,857.27
4777	KIT PUNTA/BOTELLA CARDAN	UND	1	\$1,380,393.47	\$262,274.76	\$1,642,668.23	\$3,333,906.00	\$633,442.14	\$3,967,348.14	\$1,982,488.00	\$376,672.72	\$2,359,160.72	\$2,232,262.49	\$2,656,392.36
4778	LÁMPARA DIRECCIONAL	UND	1	\$462,161.56	\$87,810.70	\$549,972.26	\$720,384.00	\$136,872.96	\$857,256.96	\$499,387.00	\$94,883.53	\$594,270.53	\$560,644.19	\$667,166.58
4779	LÁMPARA LATERAL GUARDA FANGO	UND	1	\$494,743.36	\$94,001.24	\$588,744.60	\$830,751.00	\$157,842.69	\$988,593.69	\$584,931.00	\$111,136.89	\$696,067.89	\$636,808.45	\$757,802.06
4780	LÁMPARA STOP	UND	1	\$2,140,239.00	\$406,645.41	\$2,546,884.41	\$1,344,554.68	\$255,465.39	\$1,600,020.07	\$1,530,023.00	\$290,704.37	\$1,820,727.37	\$1,671,605.56	\$1,989,210.62
4781	LÁMPARA TECHO	UND	1	\$1,353,862.00	\$257,233.78	\$1,611,095.78								

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUSTOS		DESCRIPCION			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
4793	MOTOR LIMPIA BRISAS		UND	1	\$1,408,800.30	\$267,672.06	\$1,676,472.36	\$3,494,518.00	\$663,958.42	\$4,158,476.42	\$1,925,178.00	\$365,783.82	\$2,290,961.82	\$2,276,165.43	\$2,708,636.87	
4794	MUNEKO BARRA ESTABILIZADORA		UND	1	\$480,761.00	\$91,344.59	\$572,105.59	\$900,769.00	\$171,146.11	\$1,071,915.11	\$339,749.65	\$64,552.43	\$404,302.08	\$573,759.88	\$682,774.26	
4795	O´RING SELLOS		UND	1	\$141,007.19	\$26,791.37	\$167,798.56	\$279,768.00	\$53,155.92	\$332,923.92	\$154,540.00	\$29,362.60	\$183,902.60	\$191,771.73	\$228,208.36	
4796	OREJA CARDAN		UND	1	\$1,126,020.00	\$213,943.80	\$1,339,963.80	\$785,994.78	\$149,339.01	\$935,333.79	\$2,148,688.00	\$408,250.72	\$2,556,938.72	\$1,353,567.59	\$1,610,745.44	
4797	PASADOR MUELLE PARTE DELANTERO		UND	1	\$788,780.00	\$149,868.20	\$938,648.20	\$426,128.00	\$80,964.32	\$507,092.32	\$307,735.48	\$58,469.74	\$366,205.22	\$507,547.83	\$603,981.91	
4798	PASADOR PISTÓN		UND	1	\$399,022.00	\$75,814.18	\$474,836.18	\$239,066.67	\$45,422.67	\$284,489.34	\$256,795.00	\$48,791.05	\$305,586.05	\$298,294.56	\$354,970.52	
4799	PASADOR TUJERA		UND	1	\$299,540.21	\$56,912.64	\$356,452.85	\$424,880.00	\$80,727.20	\$505,607.20	\$309,459.00	\$58,797.21	\$368,256.21	\$344,626.40	\$410,105.42	
4800	PERA FRENO		UND	1	\$1,317,987.00	\$250,417.53	\$1,568,404.53	\$523,201.93	\$99,408.37	\$622,610.30	\$744,020.00	\$141,363.80	\$885,383.80	\$861,736.31	\$1,025,466.21	
4801	PERA PRESOSTATICA		UND	1	\$662,400.00	\$125,856.00	\$788,256.00	\$658,155.00	\$125,049.45	\$783,204.45	\$455,957.27	\$86,631.88	\$542,589.15	\$592,170.76	\$704,683.20	
4802	PERA REVERSO		UND	1	\$551,120.00	\$104,712.80	\$655,832.80	\$473,152.88	\$89,899.05	\$563,051.93	\$772,390.00	\$146,754.10	\$919,144.10	\$598,887.63	\$712,676.28	
4803	PERA TEMPERATURA		UND	1	\$524,827.49	\$99,717.22	\$624,544.71	\$641,085.00	\$121,806.15	\$762,891.15	\$904,083.00	\$171,775.77	\$1,075,858.77	\$689,998.50	\$821,098.21	
4804	PERNO RUEDA		UND	1	\$149,284.00	\$28,363.96	\$177,647.96	\$139,926.04	\$26,585.95	\$166,511.99	\$142,135.00	\$27,005.65	\$169,140.65	\$143,781.68	\$171,100.20	
4805	PIN CACHO		UND	1	\$176,511.00	\$33,537.09	\$210,048.09	\$295,893.00	\$56,219.67	\$352,112.67	\$130,737.06	\$24,840.04	\$155,577.10	\$201,047.02	\$239,245.95	
4806	PINTURA GENERAL		UND	1	\$10,618,902.00	\$2,017,591.38	\$12,636,493.38	\$7,390,432.00	\$1,404,182.08	\$8,794,614.08	\$5,337,386.56	\$1,014,103.45	\$6,351,490.01	\$7,782,240.19	\$9,260,865.82	
4807	PINTURA PIEZA GRANDE		UND	1	\$1,853,886.00	\$352,238.34	\$2,206,124.34	\$1,916,329.00	\$364,102.51	\$2,280,431.51	\$1,319,903.50	\$250,781.67	\$1,570,685.17	\$1,696,706.17	\$2,019,080.34	
4808	PINTURA PIEZA MEDIANA		UND	1	\$1,156,174.49	\$219,673.15	\$1,375,847.64	\$1,401,674.00	\$266,318.06	\$1,667,992.06	\$1,421,435.00	\$270,072.65	\$1,691,507.65	\$1,326,427.83	\$1,578,449.32	
4809	PINTURA PIEZA PEQUEÑA		UND	1	\$1,272,840.00	\$241,839.60	\$1,514,679.60	\$847,152.42	\$160,958.96	\$1,008,111.38	\$1,165,291.00	\$221,405.29	\$1,386,696.29	\$1,095,094.47	\$1,303,162.42	
4810	PIÑÓN SINCRONIZADOR 2A		UND	1	\$1,931,859.00	\$367,053.21	\$2,298,912.21	\$1,120,954.68	\$212,981.39	\$1,333,936.07	\$1,138,643.00	\$216,342.17	\$1,354,985.17	\$1,397,152.23	\$1,662,611.15	
4811	PIÑÓN SINCRONIZADOR 3A-4A		UND	1	\$1,267,488.14	\$240,822.75	\$1,508,310.89	\$1,649,588.00	\$313,421.72	\$1,963,009.72	\$3,245,784.00	\$616,698.96	\$3,862,482.96	\$2,054,286.71	\$2,444,601.19	
4812	PIÑÓN SINCRONIZADOR 5A- REVERSA		UND	1	\$1,061,886.87	\$201,758.50	\$1,263,645.37	\$1,332,578.00	\$253,189.82	\$1,585,767.82	\$1,619,870.00	\$307,775.30	\$1,927,645.30	\$1,338,111.62	\$1,592,352.83	
4813	PISTÓN MORDAZA		UND	1	\$1,044,235.00	\$198,404.65	\$1,242,639.65	\$753,753.86	\$143,213.23	\$896,967.09	\$946,396.00	\$179,815.24	\$1,126,211.24	\$914,794.95	\$1,088,605.99	
4814	PLANETARIOS TRANSMISIÓN		UND	1	\$3,106,074.00	\$590,154.06	\$3,696,228.06	\$1,371,245.74	\$260,536.69	\$1,631,782.43	\$1,708,876.00	\$324,686.44	\$2,033,562.44	\$2,062,065.25	\$2,453,857.64	
4815	POLEA ALTERNADOR		UND	1	\$675,498.00	\$109,344.62	\$684,842.62	\$472,498.86	\$89,774.78	\$562,273.64	\$159,468.00	\$98,698.92	\$258,166.92	\$522,488.29	\$621,761.06	
4816	POLEA BOMBA DIRECCIÓN		UND	1	\$585,254.00	\$111,198.26	\$696,452.26	\$651,805.00	\$123,842.95	\$775,647.95	\$442,928.98	\$84,156.51	\$527,085.49	\$559,995.99	\$666,395.23	
4817	POLEA CIGÜEÑAL		UND	1	\$605,215.00	\$114,990.85	\$720,205.85	\$583,367.30	\$110,839.79	\$694,207.09	\$749,657.00	\$142,434.83	\$892,091.83	\$646,079.77	\$768,834.92	
4818	PORTA DIDDOS ALTERNADOR		UND	1	\$644,527.00	\$122,460.13	\$766,987.13	\$1,004,544.00	\$190,863.36	\$1,195,407.36	\$484,220.64	\$92,001.92	\$576,222.56	\$711,097.21	\$846,205.68	
4819	PORTA MANGUETA DELANTERA LH/RH		UND	1	\$1,437,362.16	\$273,098.81	\$1,710,460.97	\$1,871,562.00	\$355,596.78	\$2,227,158.78	\$1,494,924.00	\$284,035.56	\$1,778,959.56	\$1,601,282.72	\$1,905,526.44	
4820	PRENSA EMBRAGUE		UND	1	\$3,116,051.00	\$592,049.69	\$3,708,100.69	\$1,491,605.35	\$283,405.02	\$1,775,010.37	\$1,820,431.00	\$364,881.89	\$2,285,312.89	\$2,176,029.12	\$2,589,474.65	
4821	PUNTA EJE LADO CAJA		UND	1	\$1,351,408.00	\$256,767.52	\$1,608,175.52	\$1,163,168.65	\$221,002.04	\$1,384,170.69	\$2,002,796.00	\$380,531.24	\$2,383,327.24	\$1,505,790.88	\$1,791,891.15	
4822	PUNTA EJE LADO RUEDA		UND	1	\$1,121,137.00	\$213,016.03	\$1,334,153.03	\$1,886,765.00	\$358,485.35	\$2,245,250.35	\$1,032,338.27	\$196,144.27	\$1,228,482.54	\$1,346,746.76	\$1,602,628.64	
4823	PUNTA INYECTOR		UND	1	\$1,074,878.12	\$204,226.84	\$1,279,104.96	\$1,579,394.00	\$300,084.86	\$1,879,478.86	\$1,508,562.00	\$286,626.78	\$1,795,188.78	\$1,387,611.37	\$1,651,257.53	
4824	RACOR MORDAZA		UND	1	\$168,197.00	\$31,957.43	\$200,154.43	\$252,455.00	\$47,966.45	\$300,421.45	\$134,103.24	\$25,479.62	\$159,582.86	\$184,918.41	\$220,052.91	
4825	RADIADOR		UND	1	\$10,658,051.00	\$2,025,029.69	\$12,683,080.69	\$4,662,423.44	\$885,860.45	\$5,548,283.89	\$6,943,257.00	\$1,319,218.83	\$8,262,475.83	\$7,421,243.81	\$8,831,280.14	
4826	REFRIGERANTE		UND	1	\$141,733.00	\$26,929.27	\$168,662.27	\$225,632.00	\$42,870.88	\$268,502.88	\$133,436.94	\$25,353.02	\$158,789.96	\$166,933.98	\$198,651.44	
4827	REGULADOR ALTERNADOR		UND	1	\$1,215,473.00	\$230,939.87	\$1,446,412.87	\$480,468.48	\$91,289.01	\$571,757.49	\$709,703.00	\$134,843.57	\$844,546.57	\$801,881.49	\$954,238.98	
4828	REJILLA AIRE CABINA		UND	1	\$2,635,281.00	\$500,703.39	\$3,135,984.39	\$3,995,750.00	\$759,192.50	\$4,754,942.50	\$1,992,644.03	\$378,602.37	\$2,371,246.40	\$2,874,558.34	\$3,420,724.43	
4829	RELAY LUCES		UND	1	\$221,731.54	\$42,128.99	\$263,860.53	\$592,085.00	\$112,496.15	\$704,581.15	\$309,638.00	\$58,831.22	\$368,469.22	\$374,484.85	\$445,636.97	
4830	RESISTENCIA AIRE ACONDICIONADO		UND	1	\$867,642.00	\$164,851.98	\$1,032,493.98	\$1,332,253.00	\$253,128.07	\$1,585,381.07	\$741,097.38	\$140,808.50	\$881,905.88	\$980,330.79	\$1,166,593.64	
4831	RESORTE		UND	1	\$118,210.32	\$22,459.96	\$140,670.28	\$162,405.00	\$30,856.95	\$193,261.95	\$258,270.00	\$49,071.30	\$307,341.30	\$179,628.44	\$213,757.84	
4832	RESORTE FRENOS		UND	1	\$128,653.00	\$24,444.07	\$153,097.07	\$208,667.00	\$39,646.73	\$248,313.73	\$118,865.96	\$22,584.53	\$141,450.49	\$152,061.99	\$180,953.76	
4833	RETEN CIGÜEÑAL		UND	1	\$391,483.00	\$74,381.77	\$465,864.77	\$710,057.00	\$134,910.83	\$844,967.83	\$269,714.53	\$51,245.76	\$320,960.29	\$457,084.84	\$543,930.96	
4834	RETEN HOUSING		UND	1	\$237,273.67	\$45,082.00	\$282,355.67	\$243,284.00	\$46,223.96	\$289,507.96	\$456,284.00	\$86,693.96	\$542,977.96	\$312,280.56	\$371,613.86	
4835	RETEN PORTA MANGUETA		UND	1	\$292,246.00	\$55,526.74	\$347,772.74	\$251,652.24	\$47,813.93	\$299,466.17	\$566,864.00	\$107,704.16	\$674,568.16	\$370,254.08	\$440,602.36	
4836	RETEN RUEDA DELANTERA		UND	1	\$277,975.76	\$52,815.40	\$330,791.16	\$471,714.00	\$89,625.66	\$561,339.66	\$380,042.00	\$72,207.98	\$452,249.98	\$376,577.25	\$448,126.93	
4837	RETEN SINFIN		UND	1	\$354,526.00	\$67,359.94	\$421,885.94	\$301,502.52	\$57,285.48	\$358,788.00	\$363,355.00	\$69,037.45	\$432,392.45	\$339,794.51	\$404,355.46	
4838	RETEN SPEED		UND	1	\$516,882.00	\$98,207.58	\$615,089.58	\$829,892.00	\$157,679.48	\$987,571.48	\$394,884.12	\$75,027.98	\$1,063,602.40	\$580,552.71	\$690,857.72	
4839	RETEN TAPA REPARTICIÓN		UND	1	\$371,099.00	\$70,508.81	\$441,607.81	\$290,330.46	\$55,162.79	\$345,493.25	\$364,733.00	\$69,299.27	\$434,032.27	\$342,054.15	\$407,044.44	
4840	RIN		UND	1	\$1,396,752.67	\$265,383.01	\$1,662,135.68	\$1,917,592.00	\$364,342.48	\$2,281,934.48	\$2,186,082.00	\$415,355.58	\$2,601,437.58	\$1,833,475.56	\$2,181,835.91	
4841	RODAMIENTO INTERNO BOCIN		UND	1	\$2,152,396.00	\$408,955.24	\$2,561,351.24	\$1,435,499.00	\$272,744.81	\$1,708,243.81	\$1,130,998.65	\$214,889.74	\$1,345,888.39	\$1,572,964.55	\$1,871,827.81	
4842	RODAMIENTO RUEDA DELANTERO		UND	1	\$1,245,446.00	\$236,634.74	\$1,482,080.74	\$728,276.04	\$138,372.45	\$866,648.49	\$1,069,837.00	\$203,269.03	\$1,273,106.03	\$1,014,519.68	\$1,207,278.42	
4843	RODAMIENTO RUEDA TRASERA		UND	1	\$862,480.00	\$163,871.20	\$1,026,351.20	\$1,411,171.38	\$1,404,822.56	\$881,998.94	\$1,149,358.00	\$1,367,736.02	\$917,092.07	\$917,092.07	\$917,092.07	
4844	RODILLO AGUJA PORTA MANGUETA		UND	1	\$1,022,885.00	\$194,348.15	\$1,217,233.15	\$711,667.36	\$135,216.80	\$846,884.16	\$1,965,130.00	\$373,374.70	\$2,338,504.70	\$1,233,227.45	\$1,467,540.67	
4845	RODILLO CANASTA TRANSMISIÓN															

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO			
	REPUESTOS					VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA		
	DESCRIPCION																	
4852	RODILLO SPEED TRASERO EXTERNO					UND	1	\$1,186,764.00	\$225,485.16	\$1,412,249.16	\$576,850.47	\$109,601.59	\$686,452.06	\$603,743.00	\$114,711.17	\$718,454.17	\$789,119.16	\$939,051.80
4853	RODILLO SPEED TRASERO INTERNO					UND	1	\$926,598.00	\$176,053.62	\$1,102,651.62	\$1,417,751.00	\$269,372.69	\$1,687,123.69	\$834,594.08	\$158,572.88	\$993,166.96	\$1,059,647.69	\$1,260,980.76
4854	RODILLO TOMA					UND	1	\$593,351.00	\$112,736.69	\$706,087.69	\$551,505.53	\$104,786.05	\$656,291.58	\$620,208.00	\$117,839.52	\$738,047.52	\$588,354.84	\$700,142.26
4855	ROTOR BOMBA DIRECCIÓN					UND	1	\$3,019,162.00	\$573,640.78	\$3,592,802.78	\$2,595,234.10	\$493,094.48	\$3,088,328.58	\$5,364,085.00	\$1,019,176.15	\$6,383,261.15	\$3,659,493.70	\$4,354,797.50
4856	ROTULA INFERIOR					UND	1	\$875,077.00	\$166,264.63	\$1,041,341.63	\$1,508,743.00	\$286,661.17	\$1,795,404.17	\$751,509.74	\$142,786.85	\$894,296.59	\$1,045,109.91	\$1,243,680.80
4857	ROTULA SUPERIOR					UND	1	\$795,466.00	\$151,338.54	\$946,604.54	\$1,251,398.00	\$237,765.62	\$1,489,163.62	\$559,810.56	\$106,364.01	\$666,174.57	\$868,891.52	\$1,033,980.91
4858	SATÉLITES TRANSMISIÓN					UND	1	\$1,378,067.32	\$261,832.79	\$1,639,900.11	\$1,966,657.00	\$373,664.83	\$2,340,321.83	\$2,269,981.00	\$431,296.39	\$2,701,277.39	\$1,871,568.44	\$2,227,166.44
4859	SENSOR ACCELERACIÓN (TPS)					UND	1	\$419,948.66	\$79,790.25	\$499,738.91	\$726,564.00	\$138,047.16	\$864,611.16	\$497,874.00	\$94,596.06	\$592,470.06	\$548,128.89	\$652,273.38
4860	SENSOR FLUJO DE AIRE					UND	1	\$592,876.00	\$112,646.44	\$705,522.44	\$431,762.63	\$82,034.90	\$513,797.53	\$653,298.00	\$124,126.62	\$777,424.62	\$559,312.21	\$665,581.53
4861	SENSOR RADIADOR					UND	1	\$505,177.34	\$95,983.69	\$601,161.03	\$647,727.00	\$123,068.13	\$770,795.13	\$1,140,102.00	\$216,619.38	\$1,356,721.38	\$764,335.45	\$909,559.18
4862	SENSOR VELOCÍMETRO					UND	1	\$1,594,224.00	\$302,902.56	\$1,897,126.56	\$752,303.01	\$142,937.57	\$895,240.58	\$1,108,375.00	\$210,591.25	\$1,318,966.25	\$1,151,634.00	\$1,370,444.46
4863	SOLENOIDE BOMBA INYECCIÓN					UND	1	\$1,492,581.00	\$283,590.39	\$1,776,171.39	\$1,111,368.07	\$211,159.93	\$1,322,528.00	\$2,494,162.00	\$473,890.78	\$2,968,052.78	\$1,699,370.36	\$2,022,250.72
4864	SOPORTE CAJA					UND	1	\$1,108,313.00	\$210,579.47	\$1,318,892.47	\$745,269.00	\$151,601.11	\$886,870.11	\$551,532.76	\$104,791.22	\$656,323.98	\$801,704.92	\$954,028.85
4865	SOPORTE CARDAN					UND	1	\$757,700.00	\$143,963.00	\$901,663.00	\$710,171.14	\$134,932.52	\$845,103.66	\$931,572.00	\$176,998.68	\$1,108,570.68	\$799,814.38	\$951,779.11
4866	SOPORTE FILTRO COMBUSTIBLE					UND	1	\$276,797.38	\$52,591.50	\$329,388.88	\$351,584.00	\$66,800.96	\$418,384.96	\$630,739.00	\$119,840.41	\$750,579.41	\$419,706.79	\$499,451.08
4867	SWICHE AIRE ACONDICIONADO					UND	1	\$3,807,421.00	\$723,409.99	\$4,530,830.99	\$5,976,421.00	\$1,135,519.99	\$7,111,940.99	\$3,091,105.48	\$587,310.04	\$3,678,415.52	\$4,291,649.16	\$5,107,062.50
4868	SWICHE DIRECCIONAL					UND	1	\$1,086,220.00	\$206,381.80	\$1,292,601.80	\$945,908.04	\$179,722.53	\$1,125,630.57	\$1,447,550.00	\$275,034.50	\$1,722,584.50	\$1,159,892.68	\$1,380,272.29
4869	SWICHE ELEVA VIDRIOS					UND	1	\$487,980.10	\$92,716.22	\$580,696.32	\$714,695.00	\$135,792.05	\$850,487.05	\$1,334,323.00	\$253,521.37	\$1,587,844.37	\$845,666.03	\$1,006,342.58
4870	SWICHE IGNICIÓN					UND	1	\$1,392,276.00	\$264,532.44	\$1,656,808.44	\$853,327.00	\$162,132.13	\$1,015,459.13	\$877,997.14	\$128,819.46	\$906,816.60	\$974,533.38	\$1,159,694.72
4871	SWICHE PARQUEO					UND	1	\$1,019,805.00	\$193,762.95	\$1,213,567.95	\$683,162.22	\$129,800.82	\$812,963.04	\$724,294.00	\$137,615.86	\$951,909.86	\$809,087.07	\$962,813.62
4872	TAPA LLENADO ACEITE MOTOR					UND	1	\$861,232.00	\$163,634.08	\$1,024,866.08	\$989,206.00	\$187,949.14	\$1,177,155.14	\$630,858.10	\$119,863.04	\$750,721.14	\$827,098.70	\$984,247.45
4873	TERMINAL DIRECCIÓN					UND	1	\$996,404.00	\$189,316.76	\$1,185,720.76	\$552,253.53	\$104,928.17	\$657,181.70	\$756,166.00	\$143,671.54	\$899,837.54	\$768,274.51	\$914,246.67
4874	TERMOSTATO					UND	1	\$499,028.00	\$94,815.32	\$593,843.32	\$516,062.00	\$98,051.78	\$614,113.78	\$405,976.84	\$77,135.60	\$483,112.44	\$473,688.95	\$563,689.85
4875	TUERA INFERIOR					UND	1	\$2,773,873.00	\$527,035.87	\$3,300,908.87	\$1,507,361.00	\$286,398.59	\$1,793,759.59	\$1,070,301.10	\$203,357.21	\$1,273,658.31	\$1,783,845.03	\$2,122,775.59
4876	TUERA SUPERIOR					UND	1	\$1,709,540.00	\$324,812.60	\$2,034,352.60	\$1,338,522.15	\$254,319.21	\$1,592,841.36	\$2,692,072.00	\$511,493.68	\$3,203,565.68	\$1,913,378.05	\$2,276,919.88
4877	TORNILLO BALANCIN					UND	1	\$161,624.41	\$30,708.64	\$192,333.05	\$216,506.00	\$41,136.14	\$257,642.14	\$245,430.00	\$46,631.70	\$292,061.70	\$207,853.47	\$247,345.63
4878	TORNILLO BARRA TORSION					UND	1	\$112,138.00	\$21,306.22	\$133,444.22	\$103,110.23	\$19,590.94	\$122,701.17	\$124,400.00	\$23,636.00	\$148,036.00	\$113,216.08	\$134,727.13
4879	TORNILLO CENTRAL					UND	1	\$197,447.00	\$37,514.93	\$234,961.93	\$134,626.86	\$25,579.10	\$160,205.96	\$346,059.00	\$65,751.21	\$411,810.21	\$226,044.29	\$268,992.70
4880	TORNILLO CULATA					UND	1	\$209,507.00	\$39,806.33	\$249,313.33	\$158,054.00	\$30,030.26	\$188,084.26	\$123,639.33	\$23,491.47	\$147,130.80	\$163,733.44	\$194,842.80
4881	TORNILLO POLEA CIGUEÑAL					UND	1	\$136,311.25	\$25,899.14	\$162,210.39	\$383,752.00	\$72,912.88	\$456,664.88	\$196,068.00	\$37,252.92	\$233,320.92	\$238,710.42	\$284,065.40
4882	TORNILLO VOLANTE					UND	1	\$278,079.00	\$52,835.01	\$330,914.01	\$152,777.03	\$29,027.64	\$181,804.67	\$215,163.00	\$40,880.97	\$256,043.97	\$215,339.68	\$256,254.22
4883	TRAMPA COMBUSTIBLE					UND	1	\$778,947.10	\$147,999.95	\$926,947.05	\$954,420.00	\$181,339.80	\$1,135,759.80	\$1,444,823.00	\$274,516.37	\$1,719,339.37	\$1,059,396.70	\$1,260,682.07
4884	TREN FIJO					UND	1	\$4,435,849.66	\$842,811.44	\$5,278,661.10	\$5,988,818.00	\$1,137,875.42	\$7,126,693.42	\$6,880,825.00	\$1,307,356.75	\$8,188,181.75	\$5,768,497.55	\$6,864,512.09
4885	TUBO CARDAN					UND	1	\$665,951.00	\$126,530.69	\$792,481.69	\$499,306.09	\$94,868.16	\$594,174.25	\$1,193,999.00	\$226,859.81	\$1,420,858.81	\$786,418.70	\$935,838.25
4886	TUBO FRENO POR METRO					UND	1	\$294,689.00	\$55,990.91	\$350,679.91	\$421,809.00	\$80,143.71	\$501,952.71	\$275,042.05	\$52,257.99	\$327,300.04	\$330,513.35	\$393,310.89
4887	TUBO SURTIDOR INYECTOR 1A					UND	1	\$541,515.00	\$102,887.85	\$644,402.85	\$582,994.00	\$110,768.86	\$693,762.86	\$1,014,346.00	\$192,725.74	\$1,207,071.74	\$712,951.67	\$848,412.48
4888	TUBO SURTIDOR INYECTOR 2A					UND	1	\$467,780.83	\$88,878.36	\$556,659.19	\$629,429.00	\$119,591.51	\$749,020.51	\$841,481.00	\$159,881.39	\$1,001,362.39	\$646,230.28	\$769,014.03
4889	TUBO SURTIDOR INYECTOR 3A					UND	1	\$427,686.80	\$81,260.49	\$508,947.29	\$518,283.00	\$98,473.77	\$616,756.77	\$502,706.00	\$95,514.14	\$598,220.14	\$482,891.93	\$574,641.40
4890	TUBO SURTIDOR INYECTOR 4A					UND	1	\$1,104,881.00	\$209,927.39	\$1,314,808.39	\$612,434.00	\$116,362.46	\$728,796.46	\$507,794.15	\$96,480.89	\$604,275.04	\$741,703.05	\$882,626.63
4891	TUERCA CACHO DELANTERO					UND	1	\$215,755.00	\$40,993.45	\$256,748.45	\$154,381.78	\$29,332.54	\$183,714.32	\$252,749.00	\$48,022.31	\$300,771.31	\$207,628.59	\$247,078.03
4892	TUERCA SPEED					UND	1	\$143,693.91	\$27,301.84	\$170,995.75	\$352,189.00	\$66,915.91	\$419,104.91	\$195,706.00	\$37,184.14	\$232,890.14	\$230,529.64	\$274,330.27
4893	TURBO CARGADOR					UND	1	\$15,384,524.00	\$2,923,059.56	\$18,307,583.56	\$10,484,449.22	\$1,992,045.35	\$12,476,494.57	\$13,689,314.00	\$2,600,969.66	\$16,290,283.66	\$13,186,095.74	\$15,691,453.93
4894	UNIDAD COMPLETA LHRH					UND	1	\$2,324,075.10	\$441,574.27	\$2,765,649.37	\$3,228,312.00	\$613,379.28	\$3,841,691.28	\$3,181,510.00	\$604,486.90	\$3,785,996.90	\$2,911,299.03	\$3,464,445.85
4895	VACUUM TURBO					UND	1	\$564,505.28	\$107,256.00	\$671,761.28	\$734,668.00	\$139,586.92	\$874,254.92	\$1,004,058.00	\$190,771.02	\$1,194,829.02	\$767,743.76	\$913,615.07
4896	VÁLVULA EGR					UND	1	\$3,120,995.00	\$592,989.05	\$3,713,984.05	\$2,831,725.00	\$538,027.75	\$3,369,752.75	\$2,404,653.82	\$456,886.13	\$2,861,549.95	\$2,785,794.61	\$3,315,095.58
4897	VÁLVULA PRESOSTATICA					UND	1	\$1,987,195.00	\$377,567.05	\$2,364,762.05	\$1,613,710.00	\$306,604.90	\$1,920,314.90	\$1,308,679.64	\$248,649.13	\$1,557,328.77	\$1,636,528.21	\$1,947,468.57
4898	VÁLVULAS ADMISIÓN Y ESCAPE					UND	1	\$3,377,213.00	\$641,670.47	\$4,018,883.47	\$2,656,275.40	\$504,692.33	\$3,160,967.73	\$6,480,963.00	\$1,231,382.97	\$7,712,345.97	\$4,171,483.80	\$4,964,065.72
4899	VÁSTAGO IMPULSADOR					UND	1	\$608,858.00	\$115,683.02	\$724,541.02	\$1,149,937.00	\$218,488.03	\$1,368,425.03	\$990,790.00	\$112,250.10	\$703,040.10	\$783,195.00	\$932,002.05
4900	VENTILADOR					UND	1	\$2,051,484.00	\$389,781.96	\$2,441,265.96	\$1,760,102.00	\$334,419.38	\$2,094,521.38	\$1,536,369.12	\$291,910.13	\$1,828,279.25	\$1,782,651.71	\$2,121,355.53
4901	VIDRIO LATERAL					UND	1	\$722,209.71	\$137,219.84	\$859,429.55	\$736,586.00	\$139,951.34	\$876,537.34	\$1,417,431.00	\$269,311.89	\$1,686,742.89	\$958,742.24	\$1,140,903.26
4902	VIDRIO PANORÁMICO DELANTERO					UND	1	\$2										

ITEM	MOTONIVELADORA CATERPILLAR 120 K				UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS						VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION																
	VARIOS - DESCRIPCION																
4908	BATERIA 27H				UND	1	\$1,499,628.31	\$284,929.38	\$1,784,557.69	\$1,625,826.00	\$308,906.94	\$1,934,732.94	\$2,551,732.00	\$484,829.08	\$3,036,561.08	\$1,892,395.44	\$2,251,950.57
4909	BATERIA 30H				UND	1	\$2,697,392.00	\$512,504.48	\$3,209,896.48	\$1,804,231.00	\$342,803.89	\$2,147,034.89	\$1,687,524.14	\$320,629.59	\$2,008,153.73	\$2,063,049.05	\$2,455,028.37
	ACEITES Y LUBRICANTES				CANTIDAD												
	VARIOS - DESCRIPCION																
4910	ACEITE 15W40 (MOTOR DIESEL) X 1/4				UND	1	\$74,818.27	\$0.00	\$74,818.27	\$175,544.00	\$0.00	\$175,544.00	\$111,758.00	\$0.00	\$111,758.00	\$120,706.76	\$120,706.76
4911	ACEITE 20W50 (MOTOR GASOLINA) X 1/4				UND	1	\$117,825.00	\$0.00	\$117,825.00	\$91,219.22	\$0.00	\$91,219.22	\$128,063.00	\$0.00	\$128,063.00	\$112,369.07	\$112,369.07
4912	GRASA (RODAMIENTOS) LIBRA				UND	1	\$78,908.78	\$0.00	\$78,908.78	\$79,859.00	\$0.00	\$79,859.00	\$83,854.00	\$0.00	\$83,854.00	\$80,873.93	\$80,873.93
	MANO DE OBRA VEHICULOS LIVIANOS				CANTIDAD												
	DESCRIPCION																
4913	ABUYONADA DE SILLA				UND	1	\$407,805.00	\$77,482.95	\$485,287.95	\$237,186.00	\$45,065.34	\$282,251.34	\$186,031.69	\$35,346.02	\$221,377.71	\$277,007.56	\$329,639.00
4914	AJUSTE CABINA Y CARROCERÍA				UND	1	\$1,762,033.00	\$334,786.27	\$2,096,819.27	\$1,313,498.00	\$249,564.62	\$1,563,062.62	\$1,069,863.36	\$203,274.04	\$1,273,137.40	\$1,381,798.12	\$1,644,339.76
4915	AJUSTE CARROCERÍA				UND	1	\$1,203,654.00	\$228,694.26	\$1,432,348.26	\$1,170,589.00	\$222,411.91	\$1,393,000.91	\$1,033,705.07	\$196,403.96	\$1,230,109.03	\$1,135,982.69	\$1,351,819.40
4916	ALINEACIÓN				UND	1	\$185,021.00	\$35,153.99	\$220,174.99	\$365,501.00	\$69,445.19	\$434,946.19	\$199,413.00	\$35,988.47	\$225,401.47	\$246,645.00	\$293,507.55
4917	ANILLADA MOTOR				UND	1	\$2,270,623.69	\$431,418.50	\$2,702,042.19	\$3,214,226.00	\$610,702.94	\$3,824,928.94	\$3,691,559.00	\$701,396.21	\$4,392,955.21	\$3,058,802.90	\$3,639,975.45
4918	ARREGLO ALARMA				UND	1	\$644,369.00	\$122,430.11	\$766,799.11	\$947,243.00	\$179,976.17	\$1,127,219.17	\$506,175.96	\$96,173.43	\$602,349.39	\$699,262.65	\$832,122.56
4919	ARREGLO CARROCERÍA GENERAL				UND	1	\$1,793,898.08	\$340,840.63	\$2,134,738.71	\$2,139,751.00	\$406,552.69	\$2,546,303.69	\$3,927,324.00	\$746,191.56	\$4,673,515.56	\$2,620,324.36	\$3,118,185.99
4920	ARREGLO CARROCERÍA PARCIAL				UND	1	\$1,335,375.00	\$253,721.25	\$1,589,096.25	\$1,162,605.51	\$220,895.05	\$1,383,500.56	\$1,747,142.00	\$331,956.98	\$2,079,098.98	\$1,415,040.84	\$1,683,898.60
4921	ARREGLO DE GUAYA TAPA TANQUE GASOLINA				UND	1	\$1,013,079.00	\$192,485.01	\$1,205,564.01	\$372,838.84	\$70,839.38	\$443,678.22	\$541,053.00	\$102,800.07	\$643,853.07	\$642,323.61	\$764,365.10
4922	ARREGLO EXOSTO				UND	1	\$198,823.61	\$37,776.49	\$236,600.10	\$410,888.00	\$78,068.72	\$488,956.72	\$218,165.00	\$41,451.35	\$259,616.35	\$275,958.87	\$328,391.06
4923	ARREGLO SILLA Y SOLDADURA				UND	1	\$436,638.00	\$82,961.22	\$519,599.22	\$318,945.00	\$60,580.55	\$379,425.55	\$238,824.86	\$45,376.72	\$284,201.58	\$331,435.95	\$394,408.78
4924	BALANCEO				UND	1	\$52,203.00	\$9,918.57	\$62,121.57	\$32,878.84	\$6,246.98	\$39,125.82	\$48,195.00	\$9,157.05	\$57,352.05	\$44,425.61	\$52,866.48
4925	CALIBRADO DE LA BOMBA DE INYECCIÓN				UND	1	\$3,054,412.00	\$580,338.28	\$3,634,750.28	\$1,862,649.85	\$353,903.47	\$2,216,553.32	\$2,266,132.00	\$430,565.08	\$2,696,697.08	\$2,394,397.95	\$2,849,333.56
4926	CORRECCION CORTO LAMPARA LUZ TECHO				UND	1	\$233,435.00	\$44,352.65	\$277,787.65	\$228,284.02	\$43,373.96	\$271,657.98	\$363,758.00	\$69,114.02	\$432,872.02	\$275,159.01	\$327,439.22
4927	CORRECCIÓN FUGA MOTOR				UND	1	\$711,705.67	\$135,224.08	\$846,929.75	\$957,111.00	\$181,851.09	\$1,138,962.09	\$1,252,975.00	\$238,065.25	\$1,491,040.25	\$973,930.56	\$1,158,977.36
4928	DESMONTE AMORTIGUADOR				UND	1	\$143,439.37	\$27,253.48	\$170,692.85	\$253,644.00	\$48,192.36	\$301,836.36	\$164,088.00	\$31,176.72	\$195,264.72	\$187,057.12	\$222,597.98
4929	DESMONTE ARRANQUE PARA MANTENIMIENTO				UND	1	\$242,920.19	\$46,154.84	\$289,075.03	\$60,839.00	\$62,859.41	\$393,698.41	\$335,701.00	\$63,783.19	\$399,484.19	\$303,153.40	\$360,752.54
4930	DESMONTE Y MONTE FLOTADOR DE COMBUSTIBLE				UND	1	\$451,215.00	\$85,730.85	\$536,945.85	\$370,651.26	\$70,423.74	\$441,075.00	\$537,316.00	\$102,090.04	\$639,406.04	\$453,060.75	\$539,142.30
4931	DESMONTE Y MONTE RADIADOR				UND	1	\$1,137,745.00	\$216,171.55	\$1,353,916.55	\$627,386.00	\$119,203.34	\$746,589.34	\$420,322.75	\$79,861.32	\$500,184.07	\$728,484.58	\$866,896.65
4932	DESMONTE Y MONTE TANQUE COMBUSTIBLE				UND	1	\$1,498,732.00	\$284,759.08	\$1,783,491.08	\$843,352.00	\$160,236.88	\$1,003,588.88	\$587,173.73	\$111,563.01	\$698,736.74	\$976,419.24	\$1,161,938.90
4933	DESMONTE Y MONTE TRANSFERENCIA				UND	1	\$1,515,244.00	\$287,896.36	\$1,803,140.36	\$929,355.00	\$176,577.45	\$1,105,932.45	\$178,029.03	\$136,425.52	\$854,454.55	\$1,054,209.34	\$1,254,509.12
4934	DESPINCHE				UND	1	\$53,279.00	\$10,123.01	\$63,402.01	\$81,829.00	\$15,547.51	\$97,376.51	\$42,368.53	\$8,050.02	\$50,418.55	\$59,158.84	\$70,399.02
4935	EMBUJADA CHOROTE ARRANQUE				UND	1	\$193,999.01	\$36,859.81	\$230,858.82	\$323,363.00	\$61,438.97	\$384,801.97	\$270,002.00	\$51,300.38	\$321,302.38	\$262,454.67	\$312,321.06
4936	EMBUJADA MORDAZA				UND	1	\$594,161.00	\$112,890.59	\$707,051.59	\$329,221.00	\$62,551.99	\$391,772.99	\$277,612.63	\$52,746.40	\$330,359.03	\$400,331.54	\$476,394.54
4937	PARTE SUPERIOR				UND	1	\$418,973.00	\$79,604.87	\$498,577.87	\$505,080.00	\$95,965.20	\$601,045.20	\$372,796.32	\$70,831.30	\$443,627.62	\$432,283.11	\$514,416.90
4938	ENGRASE GENERAL				UND	1	\$109,118.56	\$20,732.53	\$129,851.09	\$217,755.00	\$41,373.45	\$259,128.45	\$120,464.00	\$22,888.16	\$143,352.16	\$149,112.52	\$177,443.90
4939	ENJUAGUE				UND	1	\$190,962.00	\$36,282.78	\$227,244.78	\$136,861.69	\$26,003.72	\$162,865.41	\$306,957.00	\$58,321.83	\$365,278.83	\$211,593.56	\$251,796.34
4940	GRADUACION FRENS				UND	1	\$308,483.00	\$58,611.77	\$367,094.77	\$295,072.93	\$56,063.86	\$351,136.79	\$604,570.00	\$114,868.30	\$719,438.30	\$402,708.64	\$479,223.29
4941	INSTALACIÓN ABRAZADERA TURBO				UND	1	\$28,955.54	\$5,501.55	\$34,457.09	\$29,665.00	\$5,636.35	\$35,301.35	\$33,347.00	\$6,335.93	\$39,682.93	\$30,655.85	\$36,480.46
4942	INSTALACIÓN ACEITE CAJA				UND	1	\$86,009.00	\$16,341.71	\$102,350.71	\$118,658.00	\$22,545.02	\$141,203.02	\$65,614.33	\$12,466.72	\$78,081.05	\$90,093.78	\$107,211.59
4943	INSTALACIÓN ACEITE MOTOR				UND	1	\$66,723.09	\$12,677.39	\$79,400.48	\$150,027.00	\$28,505.13	\$178,532.13	\$77,566.00	\$14,737.54	\$92,303.54	\$98,105.36	\$116,745.38
4944	INSTALACIÓN ACEITE TRANSMISIÓN				UND	1	\$84,321.00	\$16,020.99	\$100,341.99	\$164,312.00	\$31,219.28	\$195,531.28	\$68,847.76	\$13,081.07	\$81,928.83	\$105,826.92	\$125,934.03
4945	INSTALACIÓN ACOPLÉ CAÑA DIRECCION				UND	1	\$219,150.97	\$41,638.68	\$260,789.65	\$243,236.00	\$46,214.84	\$289,450.84	\$223,961.00	\$42,552.59	\$266,513.59	\$228,782.66	\$272,251.36
4946	INSTALACIÓN ALTERNADOR				UND	1	\$585,704.00	\$111,283.76	\$696,987.76	\$329,956.00	\$62,691.64	\$392,647.64	\$295,647.49	\$56,173.02	\$351,820.51	\$403,769.16	\$480,485.30
4947	INSTALACIÓN AMORTIGUADOR				UND	1	\$236,356.00	\$44,907.64	\$281,263.64	\$176,496.43	\$33,534.32	\$210,030.75	\$310,586.00	\$59,011.34	\$369,597.34	\$241,146.14	\$286,963.91
4948	INSTALACIÓN ARANDELA PIN TUERCA CACHO				UND	1	\$82,509.00	\$15,676.71	\$98,185.71	\$149,322.00	\$28,371.18	\$177,693.18	\$79,908.63	\$15,182.64	\$95,091.27	\$103,913.21	\$123,656.72
4949	INSTALACIÓN AUTOMATICO ARRANQUE				UND	1	\$686,911.00	\$130,513.09	\$817,424.09	\$374,490.00	\$71,153.10	\$445,643.10	\$295,577.38	\$56,159.70	\$351,737.08	\$452,326.13	\$538,268.09
4950	INSTALACIÓN BALANZON MUELLE				UND	1	\$278,493.00	\$52,913.67	\$331,406.67	\$147,802.00	\$28,082.38	\$175,884.38	\$138,065.90	\$26,232.52	\$164,298.42	\$188,120.30	\$223,863.16
4951	INSTALACIÓN BALINERA ALTERNADOR				UND	1	\$432,872.00	\$82,245.68	\$515,117.68	\$734,904.00	\$139,631.76	\$874,535.76	\$379,806.38	\$72,163.21	\$451,969.59	\$515,860.79	\$613,874.34
4952	INSTALACIÓN BALINERA ARRANQUE				UND	1	\$316,216.28	\$60,081.09	\$376,297.37	\$588,964.00	\$111,903.16	\$700,867.16	\$420,330.00	\$79,862.70	\$500,192.70	\$441,836.76	\$525,785.74
4953	INSTALACIÓN BALINERA CARDAN				UND	1	\$262,254.74	\$49,828.40	\$312,083.14	\$330,044.00	\$62,708.36	\$392,752.36	\$523,984.00	\$99,556.96	\$623,540.96	\$372,094.25	\$442,792.15
4954	INSTALACIÓN BALINERA EMBRAGUE				UND	1	\$1,533,012.00	\$291,272.28	\$1,824,284.28	\$2,040,850.00	\$387,761.50	\$2,428,611.50	\$1,061,961.85	\$201,772.75	\$1,263,734.60	\$1,545,274.62	\$1,838,876.79
4955	INSTALACIÓN BANDAS FRENO				UND	1	\$569,757.00	\$108,253.83	\$678,010.83	\$319,474.46	\$60,700.15	\$380,174.61	\$356,078.00	\$67,654.82	\$423,732.82	\$415,103.15	\$493,972.75
4956	INSTALACIÓN BARRA ESTABILIZADORA				UND	1	\$539,760.00	\$102,554.40	\$642,314.40	\$264,084.80	\$50,176.11	\$314,260.91	\$271,143.00	\$51,517.17	\$322,660.17	\$358,329.27	\$426,411.83
4957	INSTALACIÓN BARRA TORSIÓN				UND	1	\$554,340.00	\$105,324.60	\$659,664.60	\$371,989.00	\$70,677.91	\$442,666.91	\$312,374.61	\$59,351.18	\$371,725.79	\$412,901.20	\$491,352.43
4958	INSTALACIÓN BASES VÁLVULAS				UND	1	\$842,313.00	\$160,039.47	\$1,002,352.47	\$688,277.78	\$130,772.78	\$819,050.56	\$1,370,705.00	\$260,433.95	\$967,098.59	\$1,150,847.37	\$1,350,733.98
4959	INSTALACIÓN BENDIX ARRANQUE				UND	1	\$580,016.00	\$110,203.04	\$690,219.04	\$338,470.18	\$64,309.33	\$402,779.51	\$367,540.00	\$69,832.60	\$437,372.60	\$428,675.39	

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS		DESCRIPCION			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
4962	INSTALACIÓN BOMBA AUXILIAR		UND	1	\$1,296,647.00	\$246,362.93	\$1,543,009.93	\$620,060.26	\$117,811.45	\$737,871.71	\$698,805.00	\$132,772.95	\$831,577.95	\$871,837.42	\$1,037,486.53	
4963	INSTALACIÓN BOMBA DE ACEITE		UND	1	\$757,806.76	\$143,983.28	\$901,790.04	\$1,570,732.00	\$298,439.08	\$1,869,171.08	\$1,057,879.00	\$200,997.01	\$1,258,876.01	\$1,128,805.92	\$1,343,279.04	
4964	INSTALACIÓN BOMBA DE AGUA		UND	1	\$1,345,506.00	\$255,646.14	\$1,601,152.14	\$593,797.13	\$112,821.45	\$706,618.58	\$752,422.00	\$142,960.18	\$895,382.18	\$897,241.71	\$1,067,717.63	
4965	INSTALACIÓN BOMBA DE FRENO		UND	1	\$701,859.00	\$133,353.21	\$835,212.21	\$510,102.00	\$96,919.38	\$607,021.38	\$445,719.54	\$84,686.71	\$530,406.25	\$552,560.18	\$657,546.61	
4966	INSTALACIÓN BOMBA DIRECCION		UND	1	\$814,935.22	\$154,837.69	\$969,772.91	\$1,619,729.00	\$307,748.51	\$1,927,477.51	\$855,093.00	\$162,467.67	\$1,017,560.67	\$1,096,585.74	\$1,304,937.03	
4967	INSTALACIÓN BOMBA INYECCION		UND	1	\$949,162.00	\$180,340.78	\$1,129,502.78	\$804,373.08	\$152,830.89	\$957,203.97	\$937,718.00	\$178,166.42	\$1,115,884.42	\$897,084.36	\$1,067,530.39	
4968	INSTALACIÓN BOMBA PRINCIPAL		UND	1	\$1,148,159.00	\$218,150.21	\$1,366,309.21	\$574,155.00	\$109,089.45	\$683,244.45	\$550,884.35	\$104,668.03	\$655,552.38	\$757,732.78	\$901,702.01	
4969	INSTALACIÓN BOMBA SUBMARINA		UND	1	\$644,167.00	\$122,391.73	\$766,558.73	\$612,991.32	\$116,468.35	\$729,459.67	\$1,280,710.00	\$243,334.90	\$1,524,044.90	\$845,956.11	\$1,006,687.77	
4970	INSTALACIÓN BOMBILLO 1034		UND	1	\$37,836.00	\$7,188.84	\$45,024.84	\$29,094.00	\$5,527.86	\$34,621.86	\$22,199.68	\$4,217.94	\$26,417.62	\$29,709.89	\$35,354.77	
4971	INSTALACIÓN BOMBILLO 1141		UND	1	\$29,212.00	\$5,550.28	\$34,762.28	\$20,382.94	\$3,872.76	\$24,255.70	\$42,031.00	\$7,985.89	\$50,016.89	\$30,541.98	\$36,344.96	
4972	INSTALACIÓN BOMBILLO 158		UND	1	\$42,154.00	\$8,009.26	\$50,163.26	\$75,576.00	\$14,359.44	\$89,935.44	\$30,578.85	\$5,809.98	\$36,388.83	\$49,436.28	\$58,829.18	
4973	INSTALACIÓN BOMBILLO 53		UND	1	\$21,469.14	\$4,079.14	\$25,548.28	\$44,704.00	\$8,493.76	\$53,197.76	\$27,352.00	\$5,196.88	\$32,548.88	\$31,175.05	\$37,098.31	
4974	INSTALACIÓN BOMBILLO HALÓGENO		UND	1	\$35,860.00	\$6,813.40	\$42,673.40	\$30,941.00	\$5,878.79	\$36,819.79	\$23,773.93	\$4,517.05	\$28,290.98	\$30,191.64	\$35,928.06	
4975	INSTALACIÓN BORNE CARRETERA		UND	1	\$32,241.00	\$6,125.79	\$38,366.79	\$27,633.81	\$5,250.42	\$32,884.23	\$48,897.00	\$9,290.43	\$58,187.43	\$36,257.27	\$43,146.15	
4976	INSTALACIÓN BOTELLA CARDAN CENTRAL		UND	1	\$563,193.00	\$107,006.67	\$670,199.67	\$356,796.57	\$67,791.35	\$424,587.92	\$509,969.00	\$96,894.11	\$606,863.11	\$476,652.86	\$567,216.90	
4977	INSTALACIÓN BRAZO AXIAL		UND	1	\$282,590.71	\$53,692.23	\$336,282.94	\$770,722.00	\$146,437.18	\$917,159.18	\$407,298.00	\$77,386.62	\$484,684.62	\$486,870.24	\$579,375.58	
4978	INSTALACIÓN BRAZO PLUMILLA		UND	1	\$32,727.00	\$6,218.13	\$38,945.13	\$31,327.30	\$5,952.19	\$37,279.49	\$50,724.00	\$9,637.56	\$60,361.56	\$38,259.43	\$45,528.73	
4979	INSTALACIÓN BUJE BALANCIN MUELLE		UND	1	\$178,183.29	\$33,854.82	\$212,038.11	\$359,072.00	\$68,223.68	\$427,295.68	\$179,743.00	\$34,151.17	\$213,894.17	\$238,999.43	\$284,409.32	
4980	INSTALACIÓN BUJE BARRA ESTABILIZADORA		UND	1	\$125,708.00	\$23,884.52	\$149,592.52	\$128,125.00	\$24,343.75	\$152,468.75	\$91,677.42	\$17,418.71	\$109,096.13	\$115,170.14	\$137,052.47	
4981	INSTALACIÓN BUJE CAÑA DIRECCION		UND	1	\$89,892.00	\$17,079.48	\$106,971.48	\$85,551.66	\$16,254.82	\$101,806.48	\$159,517.00	\$30,308.23	\$189,825.23	\$111,653.55	\$132,867.73	
4982	INSTALACIÓN BUJE MUELLE		UND	1	\$146,034.00	\$27,746.46	\$173,780.46	\$206,938.00	\$39,318.22	\$246,256.22	\$107,054.22	\$20,340.30	\$127,394.52	\$153,342.07	\$182,477.07	
4983	INSTALACIÓN BUJE TUJERA		UND	1	\$208,030.00	\$39,525.70	\$247,555.70	\$369,763.00	\$70,254.97	\$440,017.97	\$140,056.50	\$26,610.74	\$166,667.24	\$239,283.17	\$284,746.97	
4984	INSTALACIÓN CAJA DE VELOCIDADES COMPLETA		UND	1	\$5,106,398.00	\$970,215.62	\$6,076,613.62	\$2,943,082.00	\$559,185.58	\$3,502,267.58	\$2,353,509.74	\$447,166.85	\$2,800,676.59	\$3,467,663.25	\$4,126,519.26	
4985	INSTALACIÓN CAJA DIRECCION		UND	1	\$1,462,910.41	\$277,952.98	\$1,740,863.39	\$2,048,646.00	\$389,242.74	\$2,437,888.74	\$2,670,189.00	\$507,335.91	\$3,177,524.91	\$2,060,581.80	\$2,452,092.35	
4986	INSTALACIÓN CAJA PORTAFUSIBLERA		UND	1	\$206,477.82	\$39,230.79	\$245,708.61	\$249,681.00	\$47,439.39	\$297,120.39	\$421,339.00	\$80,054.41	\$501,393.41	\$292,499.27	\$348,074.14	
4987	INSTALACIÓN CAMPANA DE FRENO		UND	1	\$303,382.83	\$57,642.74	\$361,025.57	\$348,202.00	\$66,158.38	\$414,360.38	\$591,066.00	\$112,302.54	\$703,368.54	\$414,216.94	\$492,918.16	
4988	INSTALACIÓN CAUCHO CARDAN		UND	1	\$352,857.55	\$67,042.93	\$419,900.48	\$644,886.00	\$122,528.34	\$767,414.34	\$518,280.00	\$98,473.20	\$616,753.20	\$505,341.18	\$601,356.01	
4989	INSTALACIÓN CAUCHO SOPORTE CAJA DIRECCION		UND	1	\$919,172.00	\$174,642.68	\$1,093,814.68	\$480,023.00	\$91,204.37	\$571,227.37	\$344,096.34	\$65,378.30	\$409,474.64	\$581,097.11	\$691,505.56	
4990	INSTALACIÓN CHAPA PUERTAS DELANTERA		UND	1	\$195,702.95	\$37,183.56	\$232,886.51	\$336,767.00	\$63,985.73	\$400,752.73	\$203,398.00	\$38,645.62	\$242,043.62	\$245,289.32	\$291,894.29	
4991	INSTALACIÓN CHAPA PUERTAS TRASERA		UND	1	\$210,161.63	\$39,930.71	\$250,092.34	\$233,453.00	\$44,356.07	\$277,809.07	\$339,765.00	\$64,555.35	\$404,320.35	\$261,126.54	\$310,740.59	
4992	INSTALACIÓN CHOROTE ARRANQUE		UND	1	\$385,161.00	\$73,180.59	\$458,341.59	\$345,864.20	\$65,714.20	\$411,578.40	\$732,902.00	\$139,251.38	\$872,153.38	\$487,975.73	\$580,691.12	
4993	INSTALACIÓN CIGÜENAL MOTOR		UND	1	\$1,590,309.00	\$302,158.71	\$1,892,467.71	\$2,576,391.00	\$489,514.29	\$3,065,905.29	\$1,068,743.16	\$203,061.20	\$1,271,804.36	\$1,745,147.72	\$2,076,725.79	
4994	INSTALACIÓN CILINDRO		UND	1	\$700,697.00	\$133,132.43	\$833,829.43	\$612,776.29	\$116,427.50	\$729,203.79	\$1,335,356.00	\$253,717.64	\$1,589,073.64	\$882,943.10	\$1,050,702.29	
4995	INSTALACIÓN COMPRESOR AIRE ACONDICIONADO		UND	1	\$983,018.00	\$186,773.42	\$1,169,791.42	\$1,541,572.00	\$292,898.68	\$1,834,470.68	\$800,562.55	\$152,106.88	\$952,669.43	\$1,108,384.18	\$1,318,977.18	
4996	INSTALACIÓN CONDENSADOR AIRE ACONDICIONADO		UND	1	\$691,133.00	\$131,315.27	\$822,448.27	\$617,558.65	\$117,336.14	\$734,893.44	\$1,349,945.00	\$256,489.55	\$1,606,434.55	\$886,212.22	\$1,054,592.54	
4997	INSTALACIÓN CONJUNTO BARRA TORSIÓN		UND	1	\$262,838.91	\$49,939.39	\$312,778.30	\$698,256.00	\$132,668.64	\$830,924.64	\$375,539.00	\$71,352.41	\$446,891.41	\$445,544.64	\$530,198.12	
4998	INSTALACIÓN CORONA Y SPEED		UND	1	\$1,231,935.00	\$234,067.65	\$1,466,002.65	\$880,545.93	\$167,303.73	\$1,047,849.66	\$2,030,050.00	\$385,709.50	\$2,415,759.50	\$1,380,843.64	\$1,643,203.94	
4999	INSTALACIÓN CORREA ACCESORIO		UND	1	\$137,117.00	\$26,052.23	\$163,169.23	\$112,487.44	\$21,372.61	\$133,860.05	\$233,281.00	\$44,323.39	\$277,604.39	\$160,961.81	\$191,544.56	
5000	INSTALACIÓN CREMALLERA VOLANTE		UND	1	\$511,631.00	\$97,209.89	\$608,840.89	\$422,673.98	\$80,308.06	\$502,982.04	\$488,550.00	\$92,824.50	\$581,374.50	\$474,284.99	\$564,399.14	
5001	INSTALACIÓN CRUCETA CAÑA DIRECCION		UND	1	\$360,213.00	\$68,440.47	\$428,653.47	\$233,385.89	\$44,343.32	\$277,729.21	\$330,627.00	\$62,819.13	\$393,446.13	\$308,075.30	\$366,609.60	
5002	INSTALACIÓN CRUCETA CARDAN		UND	1	\$263,357.41	\$50,037.91	\$313,395.32	\$295,413.00	\$56,128.47	\$351,541.47	\$486,133.00	\$92,365.27	\$578,498.27	\$348,301.14	\$414,478.35	
5003	INSTALACIÓN CULATA MOTOR		UND	1	\$1,137,754.00	\$216,173.26	\$1,353,927.26	\$991,573.93	\$188,399.05	\$1,179,972.98	\$1,780,464.00	\$338,288.16	\$2,118,752.16	\$1,303,263.98	\$1,550,884.13	
5004	INSTALACIÓN DE LLANTA		UND	1	\$43,408.00	\$8,247.52	\$51,655.52	\$63,144.00	\$11,997.36	\$75,141.36	\$37,599.89	\$7,143.98	\$44,743.87	\$48,050.63	\$57,180.25	
5005	INSTALACIÓN DISCO DE FRENO		UND	1	\$329,101.53	\$62,529.29	\$391,630.82	\$664,852.00	\$126,321.88	\$791,173.88	\$357,627.00	\$67,949.13	\$425,576.13	\$450,526.84	\$536,126.94	
5006	INSTALACIÓN EJE TRASERO		UND	1	\$557,465.88	\$105,918.52	\$663,384.40	\$699,453.00	\$132,896.07	\$832,349.07	\$1,098,503.00	\$208,715.57	\$1,307,218.57	\$785,140.63	\$934,317.35	
5007	INSTALACIÓN ELECTRO VENTILADOR		UND	1	\$506,934.01	\$96,317.46	\$603,251.47	\$525,156.00	\$99,779.64	\$624,935.64	\$602,944.00	\$114,559.36	\$717,503.36	\$455,011.34	\$648,563.49	
5008	INSTALACIÓN EMPAQUE CULATA		UND	1	\$711,584.00	\$135,200.96	\$846,784.96	\$556,677.31	\$105,768.69	\$662,446.00	\$1,224,900.00	\$232,731.00	\$1,457,631.00	\$831,053.77	\$988,953.99	
5009	INSTALACIÓN EMPAQUE DE MORDAZA		UND	1	\$545,015.97	\$103,553.03	\$648,569.00	\$986,514.00	\$187,437.66	\$1,173,951.66	\$709,817.00	\$134,865.23	\$844,682.23	\$747,115.66	\$889,067.63	
5010	INSTALACIÓN EMPAQUE TAPA REPARTICIÓN		UND	1	\$792,600.00	\$150,594.00	\$943,194.00	\$1,463,230.00	\$278,013.70	\$1,741,243.70	\$707,757.87	\$134,474.00	\$842,231.87	\$987,862.62	\$1,175,556.52	
5011	INSTALACIÓN EMPAQUE TAPA VÁLVULAS		UND	1	\$621,313.00	\$118,049.47	\$739,362.47	\$464,180.00	\$88,194.20	\$552,374.20	\$310,627.42	\$59,019.21	\$369,646.63	\$465,373.47	\$553,794.43	
5012	INSTALACIÓN EMPAQUETADURA BOMBA DE DIRECCIÓN		UND	1	\$1,091,631.00	\$207,409.89	\$1,299,040.89	\$2,133,583.00	\$405,380.77	\$2,538,963.77	\$865,495.54	\$164,444.15	\$1,029,939.69	\$1,363,569.85	\$1,622,648.12	

ITEM	MOTONIVELADORA CATERPILLAR 120 K	UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
	DESCRIPCION													
5021	INSTALACIÓN FLANCHE CARDAN	UND	1	\$593,997.88	\$112,859.60	\$706,857.48	\$851,148.00	\$161,718.12	\$1,012,866.12	\$1,493,344.00	\$283,735.36	\$1,777,079.36	\$979,496.63	\$1,165,600.99
5022	INSTALACIÓN FLASHER DIRECCIONAL	UND	1	\$168,586.00	\$32,031.34	\$200,617.34	\$116,560.00	\$22,146.40	\$138,706.40	\$106,927.48	\$20,316.22	\$127,243.71	\$130,691.16	\$155,522.48
5023	INSTALACIÓN FLOTADOR TANQUE COMBUSTIBLE	UND	1	\$993,277.00	\$188,722.63	\$1,181,999.63	\$886,755.00	\$168,483.45	\$1,055,238.45	\$679,567.68	\$129,117.86	\$808,685.54	\$853,199.89	\$1,015,307.87
5024	INSTALACIÓN FUSIBLE	UND	1	\$123,798.00	\$23,521.62	\$147,319.62	\$81,625.00	\$15,508.75	\$97,133.75	\$67,128.71	\$12,754.45	\$79,883.16	\$90,850.57	\$108,112.18
5025	INSTALACIÓN GRAPAS CRUCETA CARDAN	UND	1	\$305,556.37	\$58,055.71	\$363,612.08	\$365,343.00	\$69,415.17	\$434,758.17	\$319,222.00	\$60,652.18	\$379,874.18	\$330,040.46	\$392,748.14
5026	INSTALACIÓN GUARDAPOLVO CAJA DIRECCION	UND	1	\$77,881.00	\$14,797.39	\$92,678.39	\$69,503.01	\$13,205.57	\$82,708.58	\$151,809.00	\$28,843.71	\$180,652.71	\$99,731.00	\$118,679.89
5027	INSTALACIÓN GUARDAPOLVO EJES DELANTERO L/C-L/R	UND	1	\$75,561.68	\$14,356.72	\$89,918.40	\$108,655.00	\$20,644.45	\$129,299.45	\$92,981.00	\$17,666.39	\$110,647.39	\$92,399.23	\$109,955.08
5028	INSTALACIÓN GUAYA ACCELERADOR	UND	1	\$531,950.00	\$101,070.50	\$633,020.50	\$372,576.90	\$70,789.61	\$443,366.51	\$719,300.00	\$136,667.00	\$855,967.00	\$541,275.63	\$644,118.00
5029	INSTALACIÓN GUAYA EMERGENCIA LH-RH	UND	1	\$587,851.00	\$111,691.69	\$699,542.69	\$802,642.00	\$152,501.98	\$955,143.98	\$440,015.46	\$83,602.94	\$523,618.40	\$610,169.49	\$726,101.69
5030	INSTALACIÓN GUÍA VÁLVULA	UND	1	\$483,959.59	\$91,952.32	\$575,911.91	\$836,794.00	\$158,990.86	\$995,784.86	\$724,820.00	\$137,715.80	\$862,535.80	\$681,857.86	\$811,410.86
5031	INSTALACIÓN HOJA DE RESORTE	UND	1	\$326,941.00	\$62,118.79	\$389,059.79	\$249,902.75	\$47,481.52	\$297,384.27	\$395,242.00	\$75,095.98	\$470,337.98	\$324,028.58	\$385,594.01
5032	INSTALACIÓN INDUCIDO ALTERNADOR	UND	1	\$477,218.00	\$90,671.42	\$567,889.42	\$336,883.77	\$64,007.92	\$400,891.69	\$711,171.00	\$135,122.49	\$846,293.49	\$508,424.26	\$605,024.87
5033	INSTALACIÓN INDUCIDO ARRANQUE	UND	1	\$652,242.00	\$123,925.98	\$776,167.98	\$348,146.07	\$66,147.75	\$414,293.82	\$467,930.00	\$88,906.70	\$556,836.70	\$489,439.36	\$582,432.83
5034	INSTALACIÓN INYECTOR	UND	1	\$232,186.00	\$44,115.34	\$276,301.34	\$231,334.49	\$43,953.55	\$275,288.04	\$292,783.00	\$55,628.77	\$348,411.77	\$252,101.16	\$300,000.38
5035	INSTALACIÓN JUEGO BUJES LEVAS	UND	1	\$1,532,912.00	\$291,253.28	\$1,824,165.28	\$764,302.86	\$145,217.54	\$909,520.40	\$1,084,899.00	\$206,130.81	\$1,291,029.81	\$1,127,371.29	\$1,341,571.83
5036	INSTALACIÓN JUEGO DE ANILLOS	UND	1	\$1,122,879.38	\$213,347.08	\$1,336,226.46	\$2,404,472.00	\$456,849.68	\$2,861,321.68	\$1,242,941.00	\$236,158.79	\$1,479,099.79	\$1,590,097.46	\$1,892,215.98
5037	INSTALACIÓN JUEGO DE CAMISAS	UND	1	\$822,041.96	\$156,187.97	\$978,229.93	\$1,038,055.00	\$197,230.45	\$1,235,285.45	\$1,086,784.00	\$206,488.96	\$1,293,272.96	\$982,293.65	\$1,168,929.45
5038	INSTALACIÓN JUEGO DE MEDIALUNAS CIGÜENAL	UND	1	\$873,177.53	\$165,903.73	\$1,039,081.26	\$1,449,510.00	\$275,406.90	\$1,724,916.90	\$1,121,015.00	\$212,992.85	\$1,334,007.85	\$1,147,900.84	\$1,366,002.00
5039	INSTALACIÓN JUEGO DE OBTURADORES	UND	1	\$2,018,305.00	\$383,477.95	\$2,401,782.95	\$1,110,627.00	\$211,019.13	\$1,321,646.13	\$812,930.40	\$154,456.78	\$967,387.18	\$1,313,954.13	\$1,563,605.42
5040	INSTALACIÓN JUEGO PASTILLAS FRENSOS	UND	1	\$194,042.00	\$36,867.98	\$230,909.98	\$381,773.00	\$72,536.87	\$454,309.87	\$172,469.31	\$32,769.17	\$205,238.48	\$249,428.10	\$296,619.44
5041	INSTALACIÓN JUEGO PLUMILLAS	UND	1	\$45,825.00	\$8,706.75	\$54,531.75	\$26,962.00	\$5,122.78	\$32,084.78	\$23,679.36	\$4,499.08	\$28,178.44	\$32,155.45	\$38,264.99
5042	INSTALACIÓN JUEGO PUNTILLA FRENO	UND	1	\$88,195.39	\$16,757.12	\$104,952.51	\$103,051.00	\$19,579.69	\$122,630.69	\$97,050.00	\$18,439.50	\$115,489.50	\$96,098.80	\$114,357.57
5043	INSTALACIÓN KIT BUJES AJUSTE PALANCA CAMBIOS	UND	1	\$491,193.00	\$93,326.67	\$584,519.67	\$355,232.39	\$67,494.15	\$422,726.54	\$491,101.00	\$178,809.19	\$1,119,910.19	\$595,842.13	\$709,052.13
5044	INSTALACIÓN KIT DE REPARACIÓN DE INYECTORES	UND	1	\$861,298.00	\$163,646.62	\$1,024,944.62	\$809,774.00	\$153,857.06	\$963,631.06	\$736,985.50	\$140,027.25	\$877,012.75	\$802,685.83	\$955,196.14
5045	EMBRAGUE Y VOLANTE	UND	1	\$585,745.00	\$111,291.55	\$697,036.55	\$455,189.79	\$86,486.06	\$541,675.85	\$1,092,492.00	\$207,573.48	\$1,300,065.48	\$711,142.26	\$846,259.29
5046	INSTALACIÓN KIT MORDAZA	UND	1	\$205,553.00	\$39,055.07	\$244,608.07	\$239,167.00	\$45,441.73	\$284,608.73	\$200,965.93	\$38,183.53	\$239,149.46	\$215,228.64	\$256,122.09
5047	INSTALACIÓN MANGUERA RADIADOR	UND	1	\$390,313.00	\$74,159.47	\$464,472.47	\$216,223.00	\$41,082.37	\$257,305.37	\$214,882.72	\$40,827.72	\$255,710.44	\$273,806.24	\$325,829.43
5048	INSTALACIÓN MANGUERA COMBUSTIBLE	UND	1	\$287,082.00	\$54,545.58	\$341,627.58	\$311,590.00	\$59,202.10	\$370,792.10	\$228,714.19	\$43,455.70	\$272,169.89	\$275,795.40	\$328,196.52
5049	INSTALACIÓN MANGUERA DE PRESIÓN AIRE ACONDICIONADO	UND	1	\$539,120.54	\$102,432.90	\$641,553.44	\$599,027.00	\$113,815.13	\$712,842.13	\$641,891.00	\$121,959.29	\$763,850.29	\$593,346.18	\$706,081.95
5050	INSTALACIÓN MANGUERA FRENO	UND	1	\$227,177.00	\$43,163.63	\$270,340.63	\$428,841.00	\$81,479.79	\$510,320.79	\$175,940.02	\$33,428.60	\$209,368.62	\$277,319.34	\$330,010.01
5051	INSTALACIÓN MANGUERA TURBO	UND	1	\$302,797.00	\$57,531.43	\$360,328.43	\$161,125.00	\$30,613.75	\$191,738.75	\$150,246.77	\$28,546.89	\$178,793.66	\$204,722.92	\$243,620.28
5052	INSTALACIÓN MUÑECO BARRA ESTABILIZADORA	UND	1	\$265,427.01	\$50,431.13	\$315,858.14	\$299,225.00	\$56,852.75	\$356,077.75	\$304,852.00	\$57,921.88	\$362,773.88	\$289,834.67	\$344,903.26
5053	INSTALACIÓN PASADOR MUELLE	UND	1	\$699,601.00	\$132,924.19	\$832,525.19	\$440,709.00	\$83,734.71	\$524,443.71	\$322,520.12	\$61,278.82	\$383,798.94	\$487,610.04	\$580,255.95
5054	INSTALACIÓN PASADOR TUERA	UND	1	\$396,512.00	\$75,337.28	\$471,849.28	\$260,525.13	\$49,499.77	\$310,024.90	\$135,430.00	\$25,931.70	\$375,361.70	\$324,155.71	\$385,745.29
5055	INSTALACIÓN PERA FRENO	UND	1	\$90,447.00	\$17,184.93	\$107,631.93	\$130,916.00	\$24,874.04	\$155,790.04	\$80,422.95	\$15,280.36	\$95,703.31	\$100,595.32	\$119,708.43
5056	INSTALACIÓN PERA PRESOSTATICA	UND	1	\$808,727.00	\$153,658.13	\$962,385.13	\$1,456,022.00	\$276,644.18	\$1,732,666.18	\$601,008.48	\$114,191.61	\$715,200.09	\$955,252.49	\$1,136,750.47
5057	INSTALACIÓN PERA REVERSO	UND	1	\$185,334.00	\$35,213.46	\$220,547.46	\$90,991.06	\$17,288.30	\$108,279.36	\$120,795.00	\$22,951.05	\$143,746.05	\$132,373.35	\$157,524.29
5058	INSTALACIÓN PERA TEMPERATURA	UND	1	\$107,556.00	\$20,435.64	\$127,991.64	\$77,447.44	\$14,715.01	\$92,162.45	\$193,842.00	\$36,829.98	\$230,671.98	\$126,281.81	\$150,275.36
5059	INSTALACIÓN PERNO RUEDA	UND	1	\$460,142.00	\$87,426.98	\$547,568.98	\$187,232.32	\$35,574.14	\$222,806.46	\$273,520.00	\$51,968.80	\$325,488.80	\$306,964.77	\$365,288.08
5060	INSTALACIÓN PORTADIODOS ALTERNADOR	UND	1	\$867,385.00	\$164,803.15	\$1,032,188.15	\$525,572.00	\$99,858.68	\$625,430.68	\$353,245.10	\$67,116.57	\$420,361.67	\$582,067.37	\$692,660.17
5061	INSTALACIÓN PUNTA EJE	UND	1	\$597,770.00	\$113,576.30	\$711,346.30	\$322,249.00	\$61,227.31	\$383,476.31	\$261,953.66	\$49,771.20	\$311,724.86	\$393,990.89	\$468,849.16
5062	INSTALACIÓN RADIADOR	UND	1	\$612,799.00	\$116,431.81	\$729,230.81	\$511,588.17	\$97,201.75	\$608,789.92	\$720,036.00	\$136,806.84	\$856,842.84	\$614,807.72	\$731,621.19
5063	INSTALACIÓN REFRIGERANTE	UND	1	\$95,757.00	\$18,193.83	\$113,950.83	\$50,529.39	\$9,600.58	\$60,129.97	\$71,204.00	\$13,528.76	\$84,732.76	\$72,496.80	\$86,271.19
5064	INSTALACIÓN RELAY LUCES	UND	1	\$281,603.00	\$53,504.57	\$335,107.57	\$153,818.00	\$29,225.42	\$183,043.42	\$116,394.52	\$22,114.96	\$138,509.48	\$183,938.51	\$218,886.82
5065	INSTALACIÓN RESISTENCIA AIRE ACONDICIONADO	UND	1	\$742,925.00	\$141,155.75	\$884,080.75	\$567,491.36	\$107,823.36	\$675,314.72	\$910,633.00	\$173,020.27	\$1,083,653.27	\$740,349.79	\$881,016.25
5066	INSTALACIÓN RESORTE FRENSOS	UND	1	\$234,675.00	\$44,588.25	\$279,263.25	\$122,476.00	\$23,270.44	\$145,746.44	\$92,217.68	\$17,521.36	\$109,739.04	\$149,789.56	\$178,249.58
5067	INSTALACIÓN RETEN CIGÜENAL MOTOR	UND	1	\$1,028,226.75	\$195,363.08	\$1,223,589.83	\$1,882,502.00	\$357,675.38	\$2,240,177.38	\$1,445,898.00	\$274,720.62	\$1,720,618.62	\$1,452,208.92	\$1,728,128.61
5068	INSTALACIÓN RETEN RUEDA	UND	1	\$150,315.01	\$28,559.85	\$178,874.86	\$226,768.00	\$43,085.92	\$269,853.92	\$171,540.00	\$32,592.60	\$204,132.60	\$182,874.34	\$217,620.46
5069	INSTALACIÓN RETEN SPEED	UND	1	\$258,962.39	\$49,202.85	\$308,1,								

ITEM	MOTONIVELADORA CATERPILLAR 120 K			UNIDAD	CANTIDAD	GRUPO ROBOAY S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS		DESCRIPCION			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
5080			INSTALACIÓN SWICHE PARQUEO	UND	1	\$263,165.00	\$50,001.35	\$313,166.35	\$204,249.02	\$38,807.31	\$243,056.33	\$271,382.00	\$51,562.58	\$322,944.58	\$246,265.34	\$293,055.75
5081			INSTALACIÓN TERMINAL DIRECCION	UND	1	\$326,034.00	\$61,946.46	\$387,980.46	\$247,095.82	\$46,948.21	\$294,044.03	\$451,008.00	\$85,691.52	\$536,699.52	\$341,379.27	\$406,241.34
5082			INSTALACIÓN TERMINAL ELECTRICO	UND	1	\$20,376.00	\$3,871.44	\$24,247.44	\$18,657.26	\$3,544.88	\$22,202.14	\$31,666.00	\$6,016.54	\$37,682.54	\$28,044.04	\$34,004.04
5083			INSTALACIÓN TERMOSTATO	UND	1	\$277,691.00	\$52,761.29	\$330,452.29	\$210,116.25	\$39,922.09	\$250,038.34	\$264,735.00	\$50,299.65	\$315,034.65	\$250,847.42	\$298,508.43
5084			INSTALACIÓN TORNILLO CENTRAL	UND	1	\$162,699.09	\$30,912.83	\$193,611.92	\$178,784.00	\$33,968.96	\$212,752.96	\$328,037.00	\$62,327.03	\$390,364.03	\$223,173.36	\$265,576.30
5085			INSTALACIÓN TRAMPA COMBUSTIBLE	UND	1	\$263,834.00	\$50,128.46	\$313,962.46	\$209,782.56	\$39,858.69	\$249,641.25	\$239,558.00	\$45,516.02	\$282,992.58	\$237,724.85	\$282,892.58
5086			INSTALACIÓN TURBO CARGADOR	UND	1	\$1,020,718.00	\$193,936.42	\$1,214,654.42	\$784,989.71	\$149,148.04	\$934,137.75	\$2,006,034.00	\$381,146.46	\$2,387,180.46	\$1,270,580.57	\$1,511,990.88
5087			INSTALACIÓN VENTILADOR	UND	1	\$402,968.00	\$76,563.92	\$479,531.92	\$528,187.00	\$100,355.53	\$628,542.53	\$280,575.40	\$53,309.33	\$333,884.73	\$403,910.13	\$480,653.06
5088			INSTALACIÓN VOLANTE MOTOR	UND	1	\$763,726.00	\$145,107.94	\$908,833.94	\$815,486.00	\$154,942.34	\$970,428.34	\$522,334.70	\$99,243.59	\$621,578.29	\$700,515.57	\$833,613.52
5089			LAVADO DE INYECTOR	UND	1	\$238,438.00	\$45,303.22	\$283,741.22	\$425,715.00	\$80,885.85	\$506,600.85	\$169,297.50	\$32,166.53	\$201,464.03	\$277,816.83	\$330,602.03
5090			LAVADO TANQUE DE COMBUSTIBLE	UND	1	\$382,999.00	\$72,769.81	\$455,768.81	\$502,978.00	\$95,565.82	\$598,543.82	\$299,338.73	\$56,874.36	\$356,213.09	\$395,105.24	\$470,175.24
5091			MANTENIMIENTO A LA BOMBA DE INYECCION	UND	1	\$3,769,729.08	\$716,248.53	\$4,485,977.61	\$4,629,515.00	\$879,607.85	\$5,509,122.85	\$8,607,900.00	\$1,635,501.00	\$10,243,401.00	\$5,669,048.03	\$6,746,167.15
5092			MANTENIMIENTO DE 4 MOTORES Y CREMALLERA ELEVAVIDRIOS	UND	1	\$339,560.00	\$64,516.40	\$404,076.40	\$321,543.07	\$61,093.18	\$382,636.25	\$628,904.00	\$119,491.76	\$748,395.76	\$430,002.36	\$511,702.80
5093			MANTENIMIENTO GENERAL AIRE ACONDICIONADO	UND	1	\$1,315,856.00	\$250,012.64	\$1,565,868.64	\$2,623,415.00	\$498,448.85	\$3,121,863.85	\$1,000,155.24	\$190,029.50	\$1,190,184.74	\$1,646,475.41	\$1,959,305.74
5094			MANTENIMIENTO GENERAL CHAPAS PUERTAS	UND	1	\$558,874.20	\$106,186.10	\$665,060.30	\$824,816.00	\$156,715.04	\$981,531.04	\$670,365.00	\$127,369.35	\$797,734.35	\$684,685.07	\$814,775.23
5095			MANTENIMIENTO Y ARREGLO AIRE ACONDICIONADO	UND	1	\$1,225,176.00	\$232,783.44	\$1,457,959.44	\$1,084,071.00	\$205,973.49	\$1,290,044.49	\$898,143.49	\$170,647.26	\$1,068,790.75	\$1,069,130.16	\$1,272,264.89
5096			RECARGA AIRE ACONDICIONADO	UND	1	\$473,928.23	\$90,046.36	\$563,974.59	\$888,648.00	\$168,843.12	\$1,057,491.12	\$686,044.00	\$130,348.36	\$816,392.36	\$682,873.41	\$812,619.36
5097			RECTIFICADA CAMPANA	UND	1	\$197,705.00	\$37,563.95	\$235,268.95	\$254,750.00	\$48,402.50	\$303,152.50	\$143,640.39	\$27,291.67	\$170,932.06	\$198,698.46	\$236,451.17
5098			RECTIFICADA DE RIN	UND	1	\$316,717.00	\$60,176.23	\$376,893.23	\$250,274.10	\$47,552.08	\$297,826.18	\$314,564.00	\$59,767.16	\$374,331.16	\$293,851.70	\$349,683.52
5099			RECTIFICADA DE ROSCA	UND	1	\$326,023.00	\$61,944.37	\$387,967.37	\$190,639.75	\$36,221.55	\$226,861.30	\$272,668.00	\$51,806.92	\$324,474.92	\$263,110.25	\$313,101.20
5100			RECTIFICADA DISCO	UND	1	\$288,283.52	\$54,773.87	\$343,057.39	\$398,213.00	\$75,660.47	\$473,873.47	\$483,773.00	\$91,916.87	\$575,689.87	\$390,089.84	\$464,206.91
5101			RECTIFICADA ESTRÍAS EJE DE LA DOBLE	UND	1	\$172,092.58	\$32,697.59	\$204,790.17	\$206,902.00	\$39,311.38	\$246,213.38	\$257,570.00	\$48,938.30	\$306,508.30	\$212,188.19	\$252,503.95
5102			REFORZADA BARRA ESTABILIZADORA	UND	1	\$175,860.24	\$33,413.45	\$209,273.69	\$270,954.00	\$51,481.26	\$322,435.26	\$200,858.00	\$38,163.02	\$239,021.02	\$215,890.75	\$256,909.99
5103			REPARACIÓN BOMBA DIRECCION	UND	1	\$815,927.84	\$155,026.29	\$970,954.13	\$941,399.00	\$178,865.81	\$1,120,264.81	\$947,176.00	\$179,963.44	\$1,127,139.44	\$901,500.95	\$1,072,786.13
5104			REPARACIÓN CAJA CAMBIOS	UND	1	\$889,958.00	\$169,092.02	\$1,059,050.02	\$1,493,707.00	\$283,804.33	\$1,777,511.33	\$614,130.28	\$116,684.75	\$730,815.03	\$999,265.09	\$1,189,125.46
5105			REPARACIÓN CAJA DIRECCIÓN	UND	1	\$1,316,579.00	\$250,150.01	\$1,566,729.01	\$1,453,951.00	\$276,250.69	\$1,730,201.69	\$947,477.30	\$180,020.69	\$1,127,497.99	\$1,239,335.77	\$1,474,809.56
5106			REPARACION CAJA TRANSFERENCIA	UND	1	\$1,112,114.16	\$211,301.69	\$1,323,415.85	\$1,184,115.00	\$224,981.85	\$1,409,096.85	\$1,112,980.00	\$211,466.20	\$1,324,446.20	\$1,136,403.05	\$1,352,319.63
5107			REPARACIÓN CARDAN	UND	1	\$887,299.00	\$168,586.81	\$1,055,885.81	\$624,936.33	\$118,737.90	\$743,674.23	\$706,565.00	\$134,247.35	\$840,812.35	\$739,600.11	\$880,124.13
5108			REPARACIÓN GENERAL MOTOR	UND	1	\$3,531,703.00	\$671,023.57	\$4,202,726.57	\$2,508,393.52	\$476,594.77	\$2,984,988.29	\$3,366,840.00	\$639,699.60	\$4,006,539.60	\$3,135,645.51	\$3,731,418.15
5109			REPARACIÓN MUELLE	UND	1	\$598,022.00	\$113,624.18	\$711,646.18	\$722,006.84	\$171,646.18	\$893,653.02	\$530,710.00	\$100,834.90	\$631,544.90	\$511,694.60	\$608,916.57
5110			REPARACIÓN PARCIAL MOTOR	UND	1	\$2,747,657.00	\$522,054.83	\$3,269,711.83	\$1,620,377.00	\$307,871.63	\$1,928,248.63	\$1,336,030.54	\$253,845.80	\$1,589,876.34	\$1,901,354.85	\$2,262,612.27
5111			REPARACIÓN SISTEMA TRANSMISIÓN	UND	1	\$2,276,147.00	\$432,467.93	\$2,708,614.93	\$1,471,744.00	\$279,631.36	\$1,751,375.36	\$1,208,383.35	\$229,592.84	\$1,437,976.19	\$1,652,091.45	\$1,965,988.83
5112			REPARACIÓN SISTEMA TURBO	UND	1	\$1,041,042.00	\$197,797.98	\$1,238,839.98	\$1,730,278.00	\$328,752.82	\$2,059,030.82	\$810,546.24	\$154,003.79	\$964,550.03	\$1,193,955.41	\$1,420,806.94
5113			REPARADA Y SONDEADO RADIADOR	UND	1	\$487,441.70	\$92,613.92	\$580,055.62	\$703,889.00	\$133,738.91	\$837,627.91	\$688,176.00	\$164,953.44	\$1,033,129.44	\$686,502.23	\$816,937.66
5114			RESTIFICADA BASE BUJE BARRA ESTABILIZADORA	UND	1	\$178,907.00	\$33,992.33	\$212,899.33	\$123,188.00	\$23,405.72	\$146,593.72	\$88,435.72	\$16,802.79	\$105,238.51	\$130,176.91	\$154,910.52
5115			REVISION DE FRENOS DELANTEROS	UND	1	\$217,248.02	\$41,277.12	\$258,525.14	\$325,538.00	\$61,852.22	\$387,390.22	\$440,743.00	\$83,741.17	\$524,484.17	\$327,843.01	\$399,133.18
5116			REVISION DE FRENOS GENERAL	UND	1	\$824,875.00	\$156,726.25	\$981,601.25	\$481,973.00	\$91,574.87	\$573,547.87	\$334,847.63	\$63,621.05	\$398,468.68	\$547,231.88	\$661,205.93
5117			REVISIÓN DE FRENOS TRASEROS	UND	1	\$659,834.00	\$125,368.46	\$785,202.46	\$252,289.58	\$47,935.02	\$300,224.60	\$348,427.00	\$66,201.13	\$414,628.13	\$420,183.53	\$500,018.40
5118			REVISIÓN DE RODAMIENTOS DELANTEROS	UND	1	\$257,272.52	\$48,881.78	\$306,154.30	\$498,529.00	\$94,720.51	\$593,249.51	\$329,482.00	\$62,601.58	\$392,083.58	\$361,761.17	\$430,495.80
5119			REVISIÓN DE RODAMIENTOS GENERAL	UND	1	\$412,433.77	\$78,362.42	\$490,796.19	\$735,166.00	\$139,681.54	\$874,847.54	\$474,701.00	\$90,193.19	\$564,894.19	\$540,766.92	\$643,512.64
5120			REVISIÓN DE RODAMIENTOS TRASEROS	UND	1	\$269,098.00	\$51,128.62	\$320,226.62	\$240,020.38	\$45,603.87	\$285,624.25	\$271,489.00	\$51,582.91	\$323,071.91	\$260,202.46	\$309,640.93
5121			REVISIÓN DE SUSPENSIÓN DELANTERA	UND	1	\$289,085.17	\$54,926.18	\$344,011.35	\$597,413.00	\$113,508.47	\$710,921.47	\$376,599.00	\$71,553.81	\$448,152.81	\$421,032.39	\$501,028.54
5122			REVISIÓN DE SUSPENSIÓN GENERAL	UND	1	\$1,008,496.00	\$191,614.24	\$1,200,110.24	\$484,249.38	\$92,007.38	\$576,256.76	\$643,988.00	\$122,357.72	\$766,345.72	\$712,244.46	\$847,570.91
5123			REVISIÓN DE SUSPENSIÓN TRASERA	UND	1	\$630,397.00	\$119,775.43	\$750,172.43	\$305,108.95	\$57,970.70	\$363,079.65	\$336,000.00	\$63,840.00	\$399,840.00	\$423,835.32	\$504,364.03
5124			REVISIÓN LUCES GENERAL	UND	1	\$485,411.00	\$92,228.09	\$577,639.09	\$479,613.19	\$91,126.51	\$570,739.70	\$924,919.00	\$175,734.61	\$1,100,653.61	\$629,981.06	\$749,677.47
5125			REVISIÓN SISTEMA DE INYECCIÓN	UND	1	\$614,023.39	\$116,664.44	\$730,687.83	\$1,198,420.00	\$227,699.80	\$1,426,119.80	\$701,695.00	\$133,322.05	\$835,017.05	\$838,046.13	\$997,274.89
5126			REVISIÓN SISTEMA ELECTRICO AIRE ACONDICIONADO	UND	1	\$1,923,064.00	\$365,382.16	\$2,288,446.16	\$2,406,276.00	\$457,192.44	\$2,863,468.44	\$1,286,270.33	\$244,391.36	\$1,530,661.69	\$1,871,870.11	\$2,227,525.43
5127			REVISIÓN SISTEMA ELECTRICO GENERAL	UND	1	\$898,028.00	\$170,625.32	\$1,068,653.32	\$457,010.00	\$86,831.90	\$543,841.90	\$422,406.64	\$80,257.26	\$502,663.90	\$592,481.55	\$705,053.04
5128			ROTACION DE LLANTA	UND	1	\$46,012.46	\$8,742.37	\$54,754.83	\$76,733.00	\$14,579.27	\$91,312.27	\$58,869.00	\$11,185.11	\$70,054.11	\$60,538.15	\$72,040.40
5129			SERVICIO BANCO DE PRUEBA	UND	1	\$1,431,242.89	\$271,936.15	\$1,703,179.04	\$3,055,982.00	\$580,636.58	\$3,636,618.58	\$2,008,534.00	\$381,621.46	\$2,390,155.46	\$2,	

ÍTEM	MOTONIVELADORA CATERPILLAR 120 K	UNIDAD	CANTIDAD	GRUPO ROBAYO S.A.S.			MAZDA SUR REPRESENTACIONES			DYPAL S.A.S.			PROMEDIO	
	REPUESTOS													
	DESCRIPCION			VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	IVA	VR. TOTAL CON IVA	VR. UNITARIO SIN IVA	VR. TOTAL CON IVA
5139	VULCANIZADA	UND	1	\$297,328.00	\$56,492.32	\$353,820.32	\$173,796.38	\$33,021.31	\$206,817.69	\$243,185.00	\$46,205.15	\$289,390.15	\$238,103.13	\$283,342.72
*A e IVA multiplicados por la CANTIDAD; VR. TOTAL CON IVA = suma de la columna				\$12,209,080,179.76	\$2,304,431,954.63	\$14,513,512,134.39	\$12,196,643,783.31	\$2,304,944,541.03	\$14,501,588,324.34	\$12,149,840,003.27	\$2,292,819,970.43	\$14,442,659,973.70	\$12,185,187,988.78	\$14,485,920,144.14