ESTUDIO DE MERCADO																							
Nº	DESCRIPCION	CANTIDAD REQUERIDA	HYUNDAUTOS S.A.S.						EYM COMPANY						TALLERES CARSONI SAS						TOTAL REPUESTOS	PROMEDIO REPUESTOS	TOTAL MANO DE OBRA	PROMEDIO MANO DE OBRA
			REPUESTOS			MANO DE OBRA			REPUESTOS			MANO DE OBRA			REPUESTOS			MANO DE OBRA						
			VALOR UNITARIO	VALOR DEL IVA	VALOR UNITARIO CON IVA	VALOR UNITARIO	VALOR DEL IVA	VALOR UNITARIO CON IVA	VALOR UNITARIO	VALOR DEL IVA	VALOR UNITARIO CON IVA	VALOR UNITARIO	VALOR DEL IVA	VALOR UNITARIO CON IVA	VALOR UNITARIO	VALOR DEL IVA	VALOR UNITARIO CON IVA	VALOR UNITARIO	VALOR DEL IVA	VALOR UNITARIO CON IVA				
1	CAMBIO DE INYECTORES	1	800.000	152.000	952.000	420.000	79.800	499.800	918.918,00	174.594,42	1.093.512,42	143.989,56	27.358,02	171.347,58	872.972,10	165.864,70	1.038.836,80	136.790,08	25.990,12	162.780,20	3.084.349	1.028.116	833.928	277.976
2	CAMBIO DE BUJÍAS	1	30.000	5.700	35.700	80.000	15.200	95.200	50.054,40	9.510,34	59.564,74	157.080,00	29.845,20	186.925,20	47.551,68	9.034,82	56.586,50	149.226,00	28.352,94	177.578,94	151.851	50.617	459.704	153.235
3	CAMBIO BOMBA DIRECCIÓN	1	1.450.000	275.500	1.725.500	180.000	34.200	214.200	1.385.549,88	263.254,48	1.648.804,36	408.408,00	77.597,52	486.005,52	1.316.272,39	250.091,75	1.566.364,14	387.987,60	73.717,64	461.705,24	4.940.668	1.646.889	1.161.911	387.304
4	CAMBIO FILTRO POLEN	1	70.000	13.300	83.300	65.000	12.350	77.350	87.770,76	16.676,44	104.447,20	44.506,44	8.456,22	52.962,66	83.382,22	15.842,62	99.224,84	42.281,12	8.033,41	50.314,53	286.972	95.657	180.627	60.209
5	CAMBIO BOMBA DE AGUA	1	390.000	74.100	464.100	140.000	26.600	166.600	617.638,56	117.351,33	734.989,89	434.587,56	82.571,64	517.159,20	586.756,63	111.483,76	698.240,39	412.858,18	78.443,05	491.301,24	1.897.330	632.443	1.175.060	391.687
6	SINCRONIZACION MOTOR	1	510.000	96.900	606.900	180.000	34.200	214.200	431.970,00	82.074,30	514.044,30	429.352,44	81.576,96	510.929,40	410.371,50	77.970,59	488.342,09	407.884,82	77.498,12	485.382,93	1.609.286	536.429	1.210.512	403.504
7	CAMBIO DE ACEITE	1	100.000	19.000	119.000	25.000	4.750	29.750	308.923,56	58.695,48	367.619,04	75.922,44	14.425,26	90.347,70	293.477,38	55.760,70	349.238,08	72.126,32	13.704,00	85.830,32	835.857	278.619	205.928	68.643
8	CAMBIO ROTULA	1	190.000	36.100	226.100	120.000	22.800	142.800	175.405,56	33.327,06	208.732,62	108.909,24	20.692,76	129.602,00	166.635,28	31.660,70	198.295,99	103.463,78	19.658,12	123.121,90	633.129	211.043	395.524	131.841
9	CAMBIO TERMINAL	1	210.000	39.900	249.900	120.000	22.800	142.800	138.507,60	26.316,44	164.824,04	214.675,56	40.788,36	255.463,92	131.582,22	25.000,62	156.582,84	203.941,78	38.748,94	242.690,72	571.307	190.436	640.955	213.652
10	CAMBIO RODAMIENTO	1	150.000	28.500	178.500	140.000	26.600	166.600	526.218,00	99.981,42	626.199,42	214.675,56	40.788,36	255.463,92	499.907,10	94.982,35	594.889,45	203.941,78	38.748,94	242.690,72	1.399.589	466.530	664.755	221.585
11	CAMBIO AMORTIGUADOR	1	250.000	47.500	297.500	140.000	26.600	166.600	458.479,56	87.111,12	545.590,68	188.496,00	35.814,24	224.310,24	435.555,58	82.755,56	518.311,14	179.071,20	34.023,53	213.094,73	1.361.402	453.801	604.005	201.335
12	CAMBIO DE TORRE DE AMORTIGUADOR	1	140.000	26.600	166.600	120.000	22.800	142.800	385.176,00	73.183,44	458.359,44	188.496,00	35.814,24	224.310,24	365.917,20	69.524,27	435.441,47	179.071,20	34.023,53	213.094,73	1.060.401	353.467	580.205	193.402
13	CAMBIO TUERA DELANTERA Y TRASERA	1	470.000	89.300	559.300	160.000	30.400	190.400	948.041,16	180.127,82	1.128.168,98	222.529,56	42.280,62	264.810,18	900.639,10	171.121,43	1.071.760,53	211.403,08	40.166,59	251.569,67	2.759.230	919.743	706.780	235.593
14	CAMBIO BUJE	1	70.000	13.300	83.300	120.000	22.800	142.800	138.560,40	26.326,48	164.886,88	167.551,56	31.834,80	199.386,36	131.632,38	25.010,15	156.642,53	159.173,98	30.243,06	189.417,04	404.829	134.943	531.603	177.201
15	CAMBIO DE ESPIRALES	1	80.000	15.200	95.200	140.000	26.600	166.600	1.291.983,00	245.476,77	1.537.459,77	243.474,00	46.260,06	289.734,06	1.227.383,85	233.202,93	1.460.586,78	231.300,30	43.947,06	275.247,36	3.093.247	1.031.082	731.581	243.860
16	CAMBIO CAUCHOS BARRA ESTABILIZADORA	1	70.000	13.300	83.300	120.000	22.800	142.800	83.912,40	15.943,36	99.855,76	119.380,80	22.682,35	142.063,15	79.716,78	15.146,19	94.862,97	113.411,76	21.548,23	134.959,99	278.019	92.673	419.823	139.941
17	CAMBIO PUNTA EJE DELANTEROS	1	300.000	57.000	357.000	160.000	30.400	190.400	531.564,00	100.997,16	632.561,16	329.868,00	62.674,92	392.542,92	504.985,80	95.947,30	600.933,10	313.374,60	59.541,17	372.915,77	1.590.494	530.165	955.859	318.620
18	CAMBIO PASTILLAS FRENOS	1	220.000	41.800	261.800	100.000	19.000	119.000	680.680,44	129.329,28	810.009,72	89.011,56	16.912,20	105.923,76	646.646,42	122.862,82	769.509,24	84.560,98	16.066,59	100.627,57	1.841.319	613.773	325.551	108.517
19	CAMBIO DISCOS	1	480.000	91.200	571.200	140.000	26.600	166.600	618.319,68	117.480,74	735.800,42	107.338,44	20.394,30	127.732,74	587.403,70	111.606,70	699.010,40	101.971,52	19.374,59	121.346,11	2.006.011	668.670	415.679	138.560
20	CAMBIO BOMBA DE FRENOS	1	480.000	91.200	571.200	120.000	22.800	142.800	1.558.034,28	296.026,51	1.854.060,79	301.069,56	57.203,22	358.272,78	1.480.132,57	281.225,19	1.761.357,75	286.016,08	54.343,06	340.359,14	4.186.619	1.395.540	841.432	280.477
21	CAMBIO GUAYAS DE FRENOS	1	130.000	24.700	154.700	80.000	15.200	95.200	741.187,92	140.825,70	882.013,62	175.405,56	33.327,06	208.732,62	704.128,52	133.784,42	837.912,94	166.635,28	31.660,70	198.295,99	1.874.627	624.876	502.229	167.410
22	CAMBIO MORDAZA	1	1.180.000	224.200	1.404.200	250.000	47.500	297.500	2.277.660,00	432.755,40	2.710.415,40	163.363,20	31.039,01	194.402,21	2.163.777,00	411.117,63	2.574.894,63	155.195,04	29.487,06	184.682,10	6.689.510	2.229.837	676.584	225.528
23	CAMBIO LIQUIDO FRENOS	1	30.000	5.700	35.700	60.000	11.400	71.400	94.776,00	18.007,44	112.783,44	109.431,96	20.792,07	130.224,03	90.037,20	17.107,07	107.144,27	103.960,36	19.752,47	123.712,83	255.628	85.209	325.337	108.446
24	ARREGLO ALTERNADOR	1	300.000	57.000	357.000	140.000	26.600	166.600	996.672,60	189.367,79	1.186.040,39	265.989,24	50.537,96	316.527,20	946.838,97	179.899,40	1.126.738,37	252.689,78	48.011,06	300.700,84	2.669.779	889.926	783.828	261.276
25	REPARACIÓN MOTOR LIMPIABRISAS	1	140.000	26.600	166.600	120.000	22.800	142.800	690.366,60	131.169,65	821.536,25	399.507,24	75.906,38	475.413,62	655.848,27	124.611,17	780.459,44	379.531,88	72.111,06	451.642,93	1.768.596	589.532	1.069.857	356.619
26	REPARACIÓN MOTOR VENTILADOR	1	190.000	36.100	226.100	120.000	22.800	142.800	518.364,00	98.489,16	616.853,16	397.936,44	75.607,92	473.544,36	492.445,80	93.564,70	586.010,50	378.039,62	71.827,53	449.867,15	1.428.964	476.321	1.066.212	355.404
27	REPARACIÓN MOTOR DE ARRANQUE	1	300.000	57.000	357.000	140.000	26.600	166.600	734.349,00	139.526,31	873.875,31	292.168,80	55.512,07	347.680,87	697.631,55	132.549,99	830.181,54	277.560,36	52.736,47	330.296,83	2.061.057	687.019	844.578	281.526
28	CAMBIO PITOS	1	70.000	13.300	83.300	80.000	15.200	95.200	206.821,56	39.296,10	246.117,66	219.912,00	41.783,28	261.695,28	196.480,48	37.331,29	233.811,77	208.916,40	39.694,12	248.610,52	563.229	187.743	605.506	201.835
29	CAMBIO DE BATERÍA	1	480.000	91.200	571.200	25.000	4.750	29.750	869.699,16	165.242,84	1.034.942,00	102.102,00	19.399,38	121.501,38	826.214,20	156.980,70	983.194,90	96.996,90	18.429,41	115.426,31	2.589.337	863.112	266.678	88.893
30	CAMBIO DE PLUMILLAS	1	80.000	15.200	95.200	60.000	11.400	71.400	214.789,08	40.809,93	255.599,01	155.509,20	29.546,75	185.055,95	204.049,63	38.769,43	242.819,05	147.733,74	28.069,41	175.803,15	593.618	197.873	432.259	144.086
31	CAMBIO MOTOR ELEVAVIDRIOS	1	160.000	30.400	190.400	80.000	15.200	95.200	807.711,96	153.465,27	961.177,23	312.065,16	59.292,38	371.357,54	767.326,36	145.792,01	913.118,37	296.461,90	56.327,76	352.789,66	2.064.696	688.232	819.347	273.116
32	CAMBIO BRAZOS ELEVAVIDRIOS	1	100.000	19.000	119.000	60.000	11.400	71.400	416.262,00	79.089,78	495.351,78	344.005,20	65.360,99	409.366,19	395.448,90	75.135,29	470.584,19	326.804,94	62.092,94	388.897,88	1.084.936	361.645	869.664	289.888
33	CAMBIO MOTOR BLOQUEO PUERTAS	1	190.000	36.100	226.100	140.000	26.600	166.600	583.813,56	110.924,58	694.738,14	357.095,64	67.848,17	424.943,81	554.622,88	105.378,35	660.001,23	339.240,86	64.455,76	403.696,62	1.580.839	526.946	995.240	331.747
34	ARREGLO CAJA AUTOMATICA	1	1.620.000	307.800	1.927.800	2.400.000	456.000	2.856.000	16.108.810,08	3.060.673,92	19.169.484,00	1.625.778,00	308.897,82	1.934.675,82	15.303.369,58	2.907.640,22	18.211.009,80	1.544.489,10	293.452,93	1.837.942,03	39.308.294	13.102.765	6.628.618	2.209.539
35	CAMBIO DE RETENEDORES CAJA	1	160.000	30.400	190.400	160.000	30.400	190.400	942.480,00	179.071,20	1.121.551,20	583.813,56	110.924,58	694.738,14	895.356,00	170.117,64	1.065.473,64	554.622,88	105.378,35	660.001,23	2.377.425	792.475	1.545.139	515.046
36	ARREGLO PANEL CENTRAL DE RADIADOR	1	220.000	41.800	261.800	250.000	47.500	297.500	496.372,80	94.310,83	590.683,63	515.746,44	97.991,82	613.738,26	471.554,16	89.595,29	561.149,45	489.959,12	93.092,23	583.051,35	1.413.633	471.211	1.494.290	498.097
37	D/ MONTAJE DE RADIADOR	1	N/A	#¡VALOR!		140.000	26.600	166.600	903.210,00	171.609,90	1.074.819,90	298.452,00	56.705,88	355.157,88	858.049,50	163.029,41	1.021.078,91	283.529,40	53.870,59	337.399,99	2.095.899	698.633	859.158	286.386
38	CAMBIO DE DIODOS MODULO MOTO VENTILADOR	1	15.000	2.850	17.850	60.000	11.400	71.400	424.116,00	80.582,04	504.698,04	337.722,00	64.167,18	401.889,18	402.910,20	76.552,94	479.463,14	320.835,90	60.958,82	381.794,72	1.002.011	334.004	855.084	285.028
	DETALLE MANTENIMIENTO PREVENTIVO																							
39	ENJUAGUE	1	N/A	N/A	N/A	25.000	4.750	29.750	N/A	N/A	N/A	46.816,44	8.895,12	55.711,56	N/A	N/A	N/A	44.475,62	8.450,37	52.925,99	N/A	N/A	138.388	46.129
40	LAVADO DE MOTOR	1	N/A	N/A	N/A	60.000	11.400	71.400	N/A	N/A	N/A	50.789,64	9.650,03	60.439,67	N/A	N/A	N/A	48.250,16	9.167,53	57.417,69	N/A	N/A	189.257	63.086
41	LAVADO GENERAL	1	N/A	N/A	N/A	55.000	10.450	65.450	N/A	N/A	N/A	89.011,56	16.912,20	105.923,76	N/A	N/A	N/A	84.560,98	16.066,59	100.627,57	N/A	N/A	272.001	90.667
42	LAVADO DE TAPICERIA	1	N/A	N/A	N/A	160.000	30.400	190.400	N/A	N/A	N/A	303.688,44	57.700,80	361.389,24	N/A	N/A	N/A	288.504,02	54.815,76	343.319,78	N/A	N/A	895.109	298.370
43	POLICHADO GRAFITADA	1	N/A	N/A	N/A	185.000	35.150	220.150	N/A	N/A	N/A	280.126,44	53.224,02	333.350,46	N/A	N/A	N/A	266.120,12	50.562,82	316.682,94	N/A	N/A	870.183	290.061
44	DESPINCHE NEUMATICO	1	N/A	N/A	N/A	15.000	2.850	17.850	50.000,00	9.500,00	59.500,00	38.745,96	7.361,73	46.107,69	47.500,00	9.025,00	56.525,00	36.808,66	6.993,65	43.802,31	116.025	58.013	107.760	35.920
45	COLOCACION VALVULA SELLOMATIC	1	15.000	2.850	17.850	15.000	2.850	17.850	25.000,00	4.750,00	29.750,00	40.840,80	7.759,75	48.600,55	23.750,00	4.512,50	28.262,50	38.798,76	7.371,76	46.170,52	75.863	25.288	112.621	37.540
46	DESPINCHE SELLOMATIC	1	N/A	N/A	N/A	15.000	2.850	17.850	5.000,00	950,00	5.950,00	36.652,44	6.963,96	43.616,40	4.750,00	902,50	5.652,50	34.819,82	6.615,77	41.435,58	11.603	5.801	102.902	34.301
47	VULCANIZADO LLANTA	1	N/A	N/A	N/A	45.000	8.550	53.550	50.000,00	9.500,00	59.500,00	94.248,00	17.907,12	112.155,12	47.500,00	9.025,00	56.525,00	89.535,60	17.011,76	106.547,36	116.025	58.013	272.252	90.751
48	TACO SELLOMATIC	1	N/A	N/A	N/A	25.000	4.750	29.750	25.000,00	4.750,00	29.750,00	12.566,40	2.387,62	14.954,02	23.750,00	4.512,50	28.262,50	11.938,08	2.268,24	14.206,32	58.013	29.006	58.910	19.637
49	COLOCACION PARCHE	1	N/A	N/A	N/A	45.000	8.550	53.550	5.000,00	950,00	5.950,00	19.635,00	3.730,65	23.365,65	4.750,00	902,50	5.652,50	18.653,25	3.544,12	22.197,37	11.603	5.801	99.113	33.038

ORIGINAL FIRMADO

IVONE RODRIGUEZ SILVA
Contratista - SAF

MARIELA PARDO CORREDOR
Subdirectora Administrativa, Financiera y de Control Disciplinario