ESTUDIO DE MERCADO																						
N°	DESCRIPCION	CANTIDAD REQUERIDA	HYUNDAUTOS S.A.S.						EYM CPMPANY						TALLERES CARSONI SAS						TOTAL REPUESTOS	PROMEDIO REPUESTOS	TOTAL MANO DE OBRA	PROMEDIO MANO DE OBNRA
			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	920.000	174.800	1.094.800	420.000	79.800	499.800	1.982.715	376.716	2.359.431	143.990	27.358	171.348	1.883.579	357.880	2.241.460	136.790	25.990,12	162.780,20	5.695.691	1.898.564	833.928	277.976
2	CAMBIO DE BUJÍAS	1	35.000	6.650	41.650	80.000	15.200	95.200	76.287	14.494	90.781	157.080	29.845	186.925	72.472	13.770	86.242	149.226	28.352,94	177.578,94	218.673	72.891	459.704	153.235
3	CAMBIO BOMBA DIRECCIÓN	1	1.650.000	313.500	1.963.500	180.000	34.200	214.200	2.887.425	548.611	3.436.035	408.408	77.598	486.006	2.743.054	521.180	3.264.234	387.988	73.717,64	461.705,24	8.663.769	2.887.923	1.161.911	387.304
4	CAMBIO FILTRO POLEN	1	85.000	16.150	101.150	65.000	12.350	77.350	259.319	49.271	308.590	44.506	8.456	52.963	246.353	46.807	293.160	42.281	8.033,41	50.314,53	702.900	234.300	180.627	60.209
5	CAMBIO BOMBA DE AGUA	1	450.000	85.500	535.500	140.000	26.600	166.600	916.230	174.084	1.090.314	434.588	82.572	517.159	870.419	165.380	1.035.799	412.858	78.443,05	491.301,24	2.661.613	887.204	1.175.060	391.687
6	SINCRONIZACION MOTOR	1	580.000	110.200	690.200	180.000	34.200	214.200	800.323	152.061	952.384	429.352	81.577	510.929	760.306	144.458	904.765	407.885	77.498,12	485.382,93	2.547.349	849.116	1.210.512	403.504
7	CAMBIO DE ACEITE	1	100.000	19.000	119.000	25.000	4.750	29.750	462.339	87.844	550.184	75.922	14.425	90.348	439.222	83.452	522.675	72.126	13.704,00	85.830,32	1.191.858	397.286	205.928	68.643
8	CAMBIO ROTULA	1	220.000	41.800	261.800	120.000	22.800	142.800	563.236	107.015	670.251	108.909	20.693	129.602	535.074	101.664	636.738	103.464	19.658,12	123.121,90	1.568.789	522.930	395.524	131.841
9	CAMBIO TERMINAL	1	245.000	46.550	291.550	120.000	22.800	142.800	290.598	55.214	345.812	214.676	40.788	255.464	276.068	52.453	328.521	203.942	38.748,94	242.690,72	965.883	321.961	640.955	213.652
10	CAMBIO RODAMIENTO	1	180.000	34.200	214.200	140.000	26.600	166.600	1.081.564	205.497	1.287.062	214.676	40.788	255.464	1.027.486	195.222	1.222.709	203.942	38.748,94	242.690,72	2.723.970	907.990	664.755	221.585
11	CAMBIO AMORTIGUADOR	1	285.000	54.150	339.150	140.000	26.600	166.600	868.776	165.068	1.033.844	188.496	35.814	224.310	825.338	156.814	982.152	179.071	34.023,53	213.094,73	2.355.146	785.049	604.005	201.335
12	CAMBIO DE TORRE DE AMORTIGUADOR	1	165.000	31.350	196.350	120.000	22.800	142.800	801.293	152.246	953.538	188.496	35.814	224.310	761.228	144.633	905.862	179.071	34.023,53	213.094,73	2.055.750	685.250	580.205	193.402
13	CAMBIO TIJERA DELANTERA Y TRASERA	1	540.000	102.600	642.600	160.000	30.400	190.400	1.286.130	244.365	1.530.495	222.530	42.281	264.810	1.221.824	232.146	1.453.970	211.403	40.166,59	251.569,67	3.627.065	1.209.022	706.780	235.593
14	CAMBIO BUJE	1	80.000	15.200	95.200	120.000	22.800	142.800	588.822	111.876	700.698	167.552	31.835	199.386	559.381	106.282	665.663	159.174	30.243,06	189.417,04	1.461.561	487.187	531.603	177.201
15	CAMBIO DE ESPIRALES	1	95.000	18.050	113.050	140.000	26.600	166.600	700.577	133.110	833.686	243.474	46.260	289.734	665.548	126.454	792.002	231.300	43.947,06	275.247,36	1.738.738	579.579	731.581	243.860
16	CAMBIO CAUCHOS BARRA ESTABILIZADORA	1	80.000	15.200	95.200	120.000	22.800	142.800	181.111	34.411	215.522	119.381	22.682	142.063	172.055	32.690	204.746	113.412	21.548,23	134.959,99	515.467	171.822	419.823	139.941
17	CAMBIO PUNTA EJE DELANTEROS	1	350.000	66.500	416.500	160.000	30.400	190.400	1.772.830	336.838	2.109.668	329.868	62.675	392.543	1.684.188	319.996	2.004.184	313.375	59.541,17	372.915,77	4.530.352	1.510.117	955.859	318.620
18	CAMBIO PASTILLAS FRENOS	1	250.000	47.500	297.500	100.000	19.000	119.000	479.565	91.117	570.683	89.012	16.912	105.924	455.587	86.562	542.149	84.561	16.066,59	100.627,57	1.410.331	470.110	325.551	108.517
19	CAMBIO DISCOS	1	550.000	104.500	654.500	140.000	26.600	166.600	612.937	116.458	729.395	107.338	20.394	127.733	582.290	110.635	692.925	101.972	19.374,59	121.346,11	2.076.820	692.273	415.679	138.560
20	CAMBIO BOMBA DE FRENOS	1	550.000	104.500	654.500	120.000	22.800	142.800	1.855.388	352.524	2.207.912	301.070	57.203	358.273	1.762.619	334.898	2.097.516	286.016	54.343,06	340.359,14	4.959.928	1.653.309	841.432	280.477
21	CAMBIO GUAYAS DE FRENOS	1	150.000	28.500	178.500	80.000	15.200	95.200	707.677	134.459	842.136	175.406	33.327	208.733	672.293	127.736	800.029	166.635	31.660,70	198.295,99	1.820.665	606.888	502.229	167.410
22	CAMBIO MORDAZA	1	1.350.000	256.500	1.606.500	250.000	47.500	297.500	2.715.913	516.024	3.231.937	163.363	31.039	194.402	2.580.118	490.222	3.070.340	155.195	29.487,06	184.682,10	7.908.777	2.636.259	676.584	225.528
23	CAMBIO LIQUIDO FRENOS	1	45.000	8.550	53.550	60.000	11.400	71.400	66.502	12.635	79.137	109.432	20.792	130.224	63.177	12.004	75.180	103.960	19.752,47	123.712,83	207.867	69.289	325.337	108.446
24	ARREGLO ALTERNADOR	1	350.000	66.500	416.500	140.000	26.600	166.600	1.577.869	299.795	1.877.664	265.989	50.538	316.527	1.498.975	284.805	1.783.780	252.690	48.011,06	300.700,84	4.077.944	1.359.315	783.828	261.276
25	REPARACIÓN MOTOR LIMPIABRISAS	1	165.000	31.350	196.350	120.000	22.800	142.800	675.444	128.334	803.778	399.507	75.906	475.414	641.672	121.918	763.589	379.532	72.111,06	451.642,93	1.763.718	587.906	1.069.857	356.619
26	REPARACIÓN MOTOR VENTILADOR	1	220.000	41.800	261.800	120.000	22.800	142.800	518.364	98.489	616.853	397.936	75.608	473.544	492.446	93.565	586.011	378.040	71.827,53	449.867,15	1.464.664	488.221	1.066.212	355.404
27	REPARACIÓN MOTOR DE ARRANQUE	1	350.000	66.500	416.500	140.000	26.600	166.600	1.471.054	279.500	1.750.554	292.169	55.512	347.681	1.397.501	265.525	1.663.027	277.560	52.736,47	330.296,83	3.830.081	1.276.694	844.578	281.526
28	CAMBIO PITOS	1	80.000	15.200	95.200	80.000	15.200	95.200	245.045	46.559	291.603	219.912	41.783	261.695	232.793	44.231	277.023	208.916	39.694,12	248.610,52	663.826	221.275	605.506	201.835
29	CAMBIO DE BATERÍA	1	550.000	104.500	654.500	25.000	4.750	29.750	957.169	181.862	1.139.031	102.102	19.399	121.501	909.311	172.769	1.082.080	96.997	18.429,41	115.426,31	2.875.611	958.537	266.678	88.893
30	CAMBIO DE PLUMILLAS	1	100.000	19.000	119.000	60.000	11.400	71.400	201.357	38.258	239.615	155.509	29.547	185.056	191.289	36.345	227.634	147.734	28.069,41	175.803,15	586.248	195.416	432.259	144.086
31	CAMBIO MOTOR ELEVAVIDRIOS	1	185.000	35.150	220.150	80.000	15.200	95.200	890.120	169.123	1.059.242	312.065	59.292	371.358	845.614	160.667	1.006.280	296.462	56.327,76	352.789,66	2.285.672	761.891	819.347	273.116
32	CAMBIO BRAZOS ELEVAVIDRIOS	1	120.000	22.800	142.800	60.000	11.400	71.400	1.028.874	195.486	1.224.360	344.005	65.361	409.366	977.430	185.712	1.163.142	326.805	62.092,94	388.897,88	2.530.302	843.434	869.664	289.888
33	CAMBIO MOTOR BLOQUEO PUERTAS	1	220.000	41.800	261.800	140.000	26.600	166.600	1.076.139	204.466	1.280.606	357.096	67.848	424.944	1.022.332	194.243	1.216.575	339.241	64.455,76	403.696,62	2.758.981	919.660	995.240	331.747
34	ARREGLO CAJA AUTOMÁTICA	1	1.850.000	351.500	2.201.500	2.400.000	456.000	2.856.000	18.988.196	3.607.757	22.595.953	1.625.778	308.898	1.934.676	18.038.786	3.427.369	21.466.156	1.544.489	293.452,93	1.837.942,03	46.263.609	15.421.203	6.628.618	2.209.539
35	CAMBIO DE RETENEDORES CAJA	1	185.000	35.150	220.150	160.000	30.400	190.400	730.422	138.780	869.202	583.814	110.925	694.738	693.901	131.841	825.742	554.623	105.378,35	660.001,23	1.915.094	638.365	1.545.139	515.046
36	ARREGLO PANEL CENTRAL DE RADIADOR	1	250.000	47.500	297.500	250.000	47.500	297.500	1.005.312	191.009	1.196.321	515.746	97.992	613.738	955.046	181.459	1.136.505	489.959	93.092,23	583.051,35	2.630.326	876.775	1.494.290	498.097
37	D/ MONTAJE DE RADIADOR	1	N/A	N/A	N/A	140.000	26.600	166.600	1.805.635	343.071	2.148.705	298.452	56.706	355.158	1.715.353	325.917	2.041.270	283.529	53.870,59	337.399,99	4.189.975	2.094.988	859.158	286.386
38	CAMBIO DE DIODOS MODULO MOTO VENTILADOR	1	15.000	2.850	17.850	60.000	11.400	71.400	746.130	141.765	887.895	337.722	64.167	401.889	708.824	134.676	843.500	320.836	60.958,82	381.794,72	1.749.245	583.082	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	8.895	55.712	N/A	N/A	N/A	44.476	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	50.790	9.650	60.440	N/A	N/A	N/A	48.250	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	89.012	16.912	105.924	N/A	N/A	N/A	84.561	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	57.701	361.389	N/A	N/A	N/A	288.504	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	53.224	333.350	N/A	N/A	N/A	266.120	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	9.500	59.500	38.746	7.362	46.108	47.500	9.025	56.525	36.809	6.993,65	43.802,31	N/A	N/A	107.760	35.920
45	COLOCACION VALVULA SELLOMATIC	1	15.000	2.850	17.850	15.000	2.850	17.850	25.000	4.750	29.750	40.841	7.760	48.601	23.750	4.513	28.263	38.799	7.371,76	46.170,52	N/A	N/A	112.621	37.540
46	DESPINCHE SELLOMATIC	1	N/A	N/A	N/A	15.000	2.850	17.850	5.000	950	5.950	36.652	6.964	43.616	4.750	903	5.653	34.820	6.615,77	41.435,58	N/A	N/A	102.902	34.301
47	VULCANIZADO LLANTA	1	N/A	N/A	N/A	45.000	8.550	53.550	50.000	9.500	59.500	94.248	17.907	112.155	47.500	9.025	56.525	89.536	17.011,76	106.547,36	N/A	N/A	272.252	90.751
48	TACO SELLOMATIC	1	N/A	N/A	N/A	25.000	4.750	29.750	25.000	4.750	29.750	12.566	2.388	14.954	23.750	4.513	28.263	11.938	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	950	5.950	19.635	3.731	23.366	4.750	903	5.653	18.653	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