



HEAVY MAINTENANCE  
AUSTRALIA

# Tax Invoice

Date: 31/07/2025  
Job #: 52239

Heavy Maintenance Australia Pty Ltd  
10 Hansells Parade  
Riverview, QLD 4303

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A.B.N. 17631483148



Registration  
Make/Model CATERPILLAR 939C 6DS01389  
Odometer  
VIN CAT0939CA6DS01389  
Next Srvc 07/11/2025

Item	Description	Quantity	Unit Price	GST	Total
<b>SUBLETS</b>					
EXTERNAL TRANSPORT	MM Freight & Logistics - From 546 Burnside Road, Yatala QLD to HMA Yard 10 Hansells Parade, Riverview QLD	1.00	\$465.85	\$46.59	\$512.44
EXTERNAL	MACHINING BLACK AND CRANK	1.00	\$1922.02	\$192.20	\$2114.22
EXTERNAL	Bushes Hydraulic repairs Australia	1.00	\$619.80	\$61.98	\$681.78
EXTERNAL TRANSPORT	[Redacted] HMA Blasting yard 140 Viking Drive, Wacol.	1.00	\$310.20	\$31.02	\$341.22
<b>Sublet Total</b>					<b>\$3649.66</b>
<b>LABOUR</b>					
LABOUR MECHANICAL	MECHANICAL LABOUR	270.00	\$110.00	\$2970.00	\$32670.00
WORKSHOP TRADE ASSISTANT	WORKSHOP TRADE ASSISTANT	7.00	\$85.00	\$59.50	\$654.50
LABOUR BOILERMAKER	Labour boilermaker	10.00	\$110.00	\$110.00	\$1210.00
<i>BOILERMAKER LABOUR</i>					
BLAST AND PAINT PART	BLAST, PAINT, DECAL MACHINE	1.00	\$9800.00	\$980.00	\$10780.00
<b>Labour Total</b>					<b>\$45314.50</b>
<b>PARTS</b>					
CONSUMABLES DIESEL FITTER	CONSUMABLES DIESEL FITTER	1.00	\$20.00	\$2.00	\$22.00
<i>CONSUMABLES DIESEL FITTER</i>					
CLEFLUTES	Clean Flush & Test 8 x caterpillar panels	1.00	\$243.75	\$24.38	\$268.13
CHEMCLE - EXTERNAL LABOUR (WSRS)	Chemical Clean aftercooler and test	1.00	\$214.50	\$21.45	\$235.95
9W9915	MOUNT AS.	2.00	\$48.13	\$9.63	\$105.89
3W4363	PIN A	2.00	\$258.62	\$51.72	\$568.96
6S3457	PIN	2.00	\$81.76	\$16.35	\$179.87
6S3474	PIN	2.00	\$122.36	\$24.47	\$269.19
6S3465	BEARING SLEEVE	2.00	\$27.53	\$5.51	\$60.57
6S3459	BEARING	2.00	\$35.44	\$7.09	\$77.97
5D4541	BEARING	2.00	\$55.04	\$11.01	\$121.09

7K9201	SEAL	8.00	\$8.49	\$6.79	\$74.71
7K9203	SEAL	16.00	\$9.19	\$14.70	\$161.74
5G2318	WASHER	2.00	\$3.35	\$0.67	\$7.37
5P1076	WASHER	14.00	\$1.99	\$2.79	\$30.65
6K3631	RING	2.00	\$17.24	\$3.45	\$37.93
6S3461	WASHER	16.00	\$5.38	\$8.61	\$94.69
8T4183	BOLT 12MM X 40MM	2.00	\$1.67	\$0.33	\$3.67
8T4956	BOLT 12MM X 35MM 10.9GR	10.00	\$1.95	\$1.95	\$21.45
8T7338	BOLT 16MM X 45MM	2.00	\$3.63	\$0.73	\$7.99
8T4184	BOLT 12MM X 45MM	2.00	\$2.09	\$0.42	\$4.60
6S3759	PIN	2.00	\$135.08	\$27.02	\$297.18
6S5906	PIN	2.00	\$213.92	\$42.78	\$470.62
1383880	PIN AS	2.00	\$196.58	\$39.32	\$432.48
1J6748	PIN	1.00	\$19.73	\$1.97	\$21.70
9W9915	MOUNT AS.	2.00	\$80.21	\$16.04	\$176.46
FREIGHT	Freight	1.00	\$20.00	\$2.00	\$22.00
2339205	KIT-SEAL HC	2.00	\$137.36	\$27.47	\$302.19
2K0227	Bushing	1.00	\$85.95	\$8.60	\$94.55
2K0227	Bushing	3.00	\$85.95	\$25.79	\$283.64
6S3459	BUSHING	6.00	\$15.20	\$9.12	\$100.32
2339205	SEAL KIT HYDR CYL	2.00	\$53.04	\$10.61	\$116.69
7P7858	BUSHING FR IDLER	2.00	\$30.94	\$6.19	\$68.07
FREIGHT	Freight	1.00	\$40.00	\$4.00	\$44.00
EXTERNAL LABOUR	Reseal 939 Ripper Cylinder - LH - 7J-9920	1.00	\$1113.40	\$111.34	\$1224.74
EXTERNAL LABOUR	Reseal 939 Ripper Cylinder - RH - 7J-9920	1.00	\$1331.83	\$133.18	\$1465.01
EXTERNAL LABOUR	Reseal 939 Bucket Cylinder - LH -149-4362	1.00	\$1193.19	\$119.32	\$1312.51
EXTERNAL LABOUR	Reseal 939 Bucket Cylinder - RH -149-4362	1.00	\$1681.76	\$168.18	\$1849.94
EXTERNAL LABOUR	Reseal 939 Tilt Cylinder - LH - 121-4266	1.00	\$1519.24	\$151.92	\$1671.16
EXTERNAL LABOUR	Reseal 939 Tilt Cylinder - RH - 121-4266	1.00	\$1519.24	\$151.92	\$1671.16
EXTERNAL LABOUR	Reseal 939 Lift Cylinder - LH - 141-2422	1.00	\$1546.39	\$154.64	\$1701.03
EXTERNAL LABOUR	Reseal 939 Lift Cylinder - RH -141-2422	1.00	\$1546.39	\$154.64	\$1701.03
1412511	PIN	6.00	\$110.01	\$66.01	\$726.07
9K0801	BEARING A	4.00	\$75.19	\$30.08	\$330.84
1R6484	(517633) Nut M10-1.25	8.00	\$0.23	\$0.18	\$2.02
FREIGHT	Freight	1.00	\$58.00	\$5.80	\$63.80
7X0583	Washer	2.00	\$7.23	\$1.45	\$15.91
7K0317	Bearing	2.00	\$62.82	\$12.56	\$138.20
1244835	Thermostat	1.00	\$137.31	\$13.73	\$151.04
1130364	Hose	6.00	\$14.03	\$8.42	\$92.60
1968356	Clip	13.00	\$1.06	\$1.38	\$15.16
2323121	Nut-Hex	8.00	\$0.81	\$0.65	\$7.13
1786554	Stud	4.00	\$10.03	\$4.01	\$44.13
5P1519	Cm-Hose Stk	11.00	\$0.21	\$0.23	\$2.54
PARTS EMERGENCY FREIGHT	Emergency Freight	1.00	\$183.43	\$18.34	\$201.77
EXTERNAL PARTS	DENSO NOZZLE	6.00	\$191.25	\$114.75	\$1262.25
EXTERNAL PARTS	INJECTOR WASHER	6.00	\$3.63	\$2.18	\$23.96
EXTERNAL PARTS	INJECTOR SERVICE KIT	6.00	\$5.63	\$3.38	\$37.16
EXTERNAL PARTS	INJECTOR O'RING	6.00	\$6.50	\$3.90	\$42.90
EXTERNAL LABOUR	CLEAN INJECTOR - DISMANTLE INJECTOR - RECLEAN INJECTOR - LAP FACES -	6.00	\$75.00	\$45.00	\$495.00

OVERHAUL & RESET DENSO INJECTOR  
INJ# 6310

EXTERNAL PARTS	PUMP SERVICE KIT	1.00	\$75.00	\$7.50	\$82.50
EXTERNAL PARTS	6 CYL SIDE COVER GASKET	1.00	\$7.79	\$0.78	\$8.57
EXTERNAL PARTS	DV HOLDER O RING	6.00	\$6.69	\$4.01	\$44.15
EXTERNAL PARTS	DV WASHER	6.00	\$3.88	\$2.33	\$25.61
EXTERNAL PARTS	GOVERNOR NUT	1.00	\$18.56	\$1.86	\$20.42
EXTERNAL PARTS	DENSO RSV GOV KIT	1.00	\$64.00	\$6.40	\$70.40
EXTERNAL PARTS	DENSO CAM BEARING	1.00	\$30.33	\$3.03	\$33.36
EXTERNAL PARTS	FEED PUMP KIT	1.00	\$13.64	\$1.36	\$15.00
EXTERNAL PARTS	BOSCH HAND PRIMER	1.00	\$53.13	\$5.31	\$58.44
EXTERNAL PARTS	DENSO LP PISTON	1.00	\$11.16	\$1.12	\$12.28
EXTERNAL PARTS	DENSO LP OIL SEAL	1.00	\$9.53	\$0.95	\$10.48
EXTERNAL PARTS	DENSO L.PUMP ROLLER	1.00	\$3.55	\$0.36	\$3.91
EXTERNAL PARTS	DENSO TAPPET ASSY	6.00	\$73.75	\$44.25	\$486.75
EXTERNAL PARTS	DENSO RSV STARTING SPRING	1.00	\$4.76	\$0.48	\$5.24
EXTERNAL PARTS	GOVERNOR SLEEVE BEARING	1.00	\$65.63	\$6.56	\$72.19
EXTERNAL PARTS	DENSO RSV GOV BUSH	2.00	\$10.81	\$2.16	\$23.78
EXTERNAL PARTS	DENSO O/F VALVE	1.00	\$20.85	\$2.09	\$22.94
EXTERNAL PARTS	DENSO CAM BEARING	1.00	\$35.78	\$3.58	\$39.36
EXTERNAL PARTS	WASTE DISPOSAL	1.00	\$32.50	\$3.25	\$35.75
EXTERNAL LABOUR	CLEAN PUMP - REMOVE L.PUMP + SIDE COVER TO CHECK FOR CONTAMINATION - FOUND WATER/RUST CONTAMINATION - DISMANTLE PUMP - ORDER PARTS - CLEAN CAMSHAFT UP ON LATHE - RECLEAN ALL PARTS	1.00	\$560.00	\$56.00	\$616.00
EXTERNAL LABOUR	REPAIR PUMP - REBUILD PUMP - MOUNT TO TEST BENCH - BENCH TEST & RESET 6 CYL DENSO A PUMP WITH RSV GOVERNOR PUMP# 092000-3731	1.00	\$840.00	\$84.00	\$924.00
FREIGHT	Freight	1.00	\$142.00	\$14.20	\$156.20
BRMF804 STD	{MFSser(1)ROD BRG	6.00	\$17.49	\$10.49	\$115.43
BMMF804 STD	MFSser(1pr)MAIN BRG	7.00	\$15.90	\$11.13	\$122.43
BTMF804 STD	{MFSser.T/WASHER SET	1.00	\$31.80	\$3.18	\$34.98
GFMF806	MFS6S FULL GSKT SET	1.00	\$437.25	\$43.73	\$480.98
BGMZ365	{MZHA(1)30mm)PIN BUSH	6.00	\$2.85	\$1.71	\$18.81
BCCT8009	CPMSser(JNL1)CAM BRG	1.00	\$16.96	\$1.70	\$18.66
BCCT7529	CPMSser(JNL4)CAM BUSH	1.00	\$16.30	\$1.63	\$17.93
BCCT7528	CPMSser(JNL2,3)CAM BUSH	2.00	\$15.24	\$3.05	\$33.53
5H6343	Washer	2.00	\$8.14	\$1.63	\$17.91
1045433	Pin A	2.00	\$171.48	\$34.30	\$377.26
2W9403	Stud	6.00	\$25.15	\$15.09	\$165.99
MSML9999.00	B128-3295B PISTON ASS	6.00	\$318.75	\$191.25	\$2103.75
BRMF804-.25	{MFSser(1 )ROD BRG	6.00	\$17.49	\$10.49	\$115.43
BMMF804-.25	MFSser(1 pr)MAIN BRG	7.00	\$16.70	\$11.69	\$128.59
IROFSD-025020	OIL/FUEL S&D 25MM 10BAR (150PSI) W.P	1.00	\$52.74	\$5.27	\$58.01
1H9696	Ring	1.00	\$5.27	\$0.53	\$5.80
3H2652	Seal	1.00	\$8.97	\$0.90	\$9.87
2H3927	Ring	1.00	\$6.75	\$0.68	\$7.43
EXTERNAL LABOUR	DIS C/DETECT & REPORT ON 6 CYL HEAD	1.00	\$982.30	\$98.23	\$1080.53
2310898	SEAL KIT HYDR CYL	2.00	\$63.66	\$12.73	\$140.05
3081845	SEAL WIPER	2.00	\$16.56	\$3.31	\$36.43

FREIGHT	Freight	1.00	\$40.00	\$4.00	\$44.00
DT-01500	WI 1500 1875 0187 0281 T-DT	2.00	\$7.59	\$1.52	\$16.70
4442900	SI 1500 2125 0375 T-605	2.00	\$19.88	\$3.98	\$43.74
01-N334	OR 2625 0210 T-BS Nitrile 90	2.00	\$4.33	\$0.87	\$9.53
02-334H	BU 2625 3000 0070 HYT T-090	2.00	\$6.27	\$1.25	\$13.79
01-N214	OR 1000 0139 T-BS Nitrile 90	1.00	\$0.60	\$0.06	\$0.66
01-N216	OR 1125 0139 T-BS Nitrile 90	1.00	\$0.66	\$0.07	\$0.73
HDX-03000-XSL	DI 3000 2250 1187 0250 T-HDX XSL	2.00	\$72.38	\$14.48	\$159.24
5I7525	Plug	1.00	\$21.53	\$2.15	\$23.68
6L1698	Spacer	2.00	\$11.07	\$2.21	\$24.35
PARTS EMERGENCY FREIGHT	Emergency Freight	1.00	\$51.87	\$5.19	\$57.06
5F3106	SEAL	1.00	\$7.18	\$0.72	\$7.90
5P0093	SEAL	16.00	\$4.34	\$6.94	\$76.38
6S3463	BUSHING	8.00	\$14.49	\$11.59	\$127.51
FREIGHT	Freight	1.00	\$40.00	\$4.00	\$44.00
1072473	Pump A Wat	1.00	\$639.96	\$64.00	\$703.96
1921289	Gasket	1.00	\$56.73	\$5.67	\$62.40
0951521	Seal-O-Ring	2.00	\$2.48	\$0.50	\$5.46
2007937	Gasket	1.00	\$87.29	\$8.73	\$96.02
PARTS EMERGENCY FREIGHT	Emergency Freight	1.00	\$51.87	\$5.19	\$57.06
6L1698	Spacer	11.00	\$11.07	\$12.18	\$133.95
PARTS EMERGENCY FREIGHT	Emergency Freight	1.00	\$15.00	\$1.50	\$16.50
P3111095	3/8 AUTO FUEL HOSE (ROLL 7)	6.10	\$12.94	\$7.89	\$86.82
DT-01500	WI 1500 1875 0187 0281 T-DT	1.00	\$7.59	\$0.76	\$8.35
SLFMF806	{MFS6S FONT SEAL SEAL W/SLEEVE)	1.00	\$46.38	\$4.64	\$51.02
13A1150	V BELT AUTOMOTIVE	1.00	\$17.00	\$1.70	\$18.70
13A1205G	V BELT AUTOMOTIVE	2.00	\$20.88	\$4.18	\$45.94
8F8151	COCK	1.00	\$30.33	\$3.03	\$33.36
5P7970	NUT	12.00	\$0.34	\$0.41	\$4.49
9M1974	WASHER 5/16 #9W516	12.00	\$0.44	\$0.53	\$5.81
1132050	Gasket	1.00	\$44.67	\$4.47	\$49.14
6027178	Gasket	1.00	\$15.11	\$1.51	\$16.62
PARTS EMERGENCY FREIGHT	Emergency Freight	1.00	\$7.59	\$0.76	\$8.35
6V8176	Stud	12.00	\$14.74	\$17.69	\$194.57
1082823	Valve	1.00	\$103.14	\$10.31	\$113.45
PARTS EMERGENCY FREIGHT	Emergency Freight	1.00	\$51.87	\$5.19	\$57.06
SLRPK804	PK804 REAR SEAL	1.00	\$74.20	\$7.42	\$81.62
125100	86 MF Century Battery	1.00	\$224.59	\$22.46	\$247.05
1076340	Elbow	1.00	\$397.45	\$39.75	\$437.20
5I7742	Gasket	1.00	\$22.69	\$2.27	\$24.96
1052954	Gasket Exh	1.00	\$51.19	\$5.12	\$56.31
1786554	Stud	4.00	\$10.03	\$4.01	\$44.13
PARTS EMERGENCY FREIGHT	Emergency Freight	1.00	\$10.00	\$1.00	\$11.00
0951671	Seal-O-Ring	1.00	\$8.76	\$0.88	\$9.64
07-P.706	P7x3/8 Barb Joiner	5.00	\$3.68	\$1.84	\$20.24
5I7951	FUEL FILTER P552561	1.00	\$25.49	\$2.55	\$28.04

1R0734	OIL FILTER P555680	1.00	\$17.96	\$1.80	\$19.76
1G8878	HYDRAULIC FILTER P164378	1.00	\$107.38	\$10.74	\$118.12
3K3257	Gasket	1.00	\$6.08	\$0.61	\$6.69
2Y5829	Nut	4.00	\$0.58	\$0.23	\$2.55
1W2430	Clamp	1.00	\$146.37	\$14.64	\$161.01
2A5222	Gasket	2.00	\$1.69	\$0.34	\$3.72
5P0597	Clamp	4.00	\$10.29	\$4.12	\$45.28
FREIGHT	Freight	1.00	\$20.00	\$2.00	\$22.00
1162830	Hose-Rad	1.00	\$159.07	\$15.91	\$174.98
1162277	Hose-Rad.	1.00	\$122.36	\$12.24	\$134.60
1077973	Tube Exh	1.00	\$276.30	\$27.63	\$303.93
5I7623	Bolt	1.00	\$20.69	\$2.07	\$22.76
1G8878	HYDRAULIC FILTER P164378	1.00	\$107.38	\$10.74	\$118.12
P158671	AIR FILTER	1.00	\$40.73	\$4.07	\$44.80
4N0326	FILTER AIR P181119	1.00	\$57.98	\$5.80	\$63.78
6T5068	FILTER ASSY-AIR CON	1.00	\$52.75	\$5.28	\$58.03
7X6041	FILTER	1.00	\$68.85	\$6.89	\$75.74
1004367	Spider A Fan	1.00	\$1111.58	\$111.16	\$1222.74
FREIGHT	Freight	1.00	\$20.00	\$2.00	\$22.00
LPHT-10	PUSH-ON HI TEMP HOSE 5/8	0.50	\$28.61	\$1.43	\$15.74
5P1076	WASHER	4.00	\$1.99	\$0.80	\$8.76
8T4910	Bolt	2.00	\$4.25	\$0.85	\$9.35
3H8726	Mount As	2.00	\$39.78	\$7.96	\$87.52
1M6298	Clamp	2.00	\$107.33	\$21.47	\$236.13
70-8866	STR 12V 3.0kW 10T, BOBCAT, CASE, CATERPILLAR APPS	1.00	\$399.52	\$39.95	\$439.47
FREIGHT	Freight	1.00	\$25.00	\$2.50	\$27.50
ACX1940RBL	Mini Relay 12V 40A 5 Pin N/O	1.00	\$5.50	\$0.55	\$6.05
HYPLEX68205	68 OIL HYDRAULIC HYPLEX ISO S PER LITRE	90.00	\$4.50	\$40.50	\$445.50
2260291	Lock As	1.00	\$89.85	\$8.99	\$98.84
2260323	Cam-Lock	1.00	\$3.33	\$0.33	\$3.66
PARTS EMERGENCY FREIGHT	Emergency Freight	1.00	\$51.87	\$5.19	\$57.06
PC3510K	HOSE ASSEMBLY	1.00	\$231.13	\$23.11	\$254.24
M10 SPRING WASHER Z/P	M10 SPRING WASHER Z/P	4.00	\$0.08	\$0.03	\$0.35
50W VALVETORQUE	Valtorque C4 50 Litre	9.00	\$8.00	\$7.20	\$79.20
1157102	Switch A	1.00	\$411.03	\$41.10	\$452.13
2406934	Horn	1.00	\$85.82	\$8.58	\$94.40
1383880	PIN AS	1.00	\$209.36	\$20.94	\$230.30
ULTRAPLUS-CK4205	15W40 ULTRAPLUS-CK-4	10.00	\$7.50	\$7.50	\$82.50
	<i>15W40 ULTRAPLUS-CK-4</i>				
TRANSAXLS140205	85/140 TRANSAX LS85W-140 GL5 LIMITED SLIP PER LITRE	10.00	\$7.50	\$7.50	\$82.50
	<i>85/140 TRANSAX LS85W-140 GL5 LIMITED SLIP PER LITRE</i>				
HYPLEX68205	68 OIL HYDRAULIC HYPLEX ISO S PER LITRE	50.00	\$4.50	\$22.50	\$247.50
	<i>68 HYDRAULIC HYPLEX ISO S PER LITRE</i>				
6N7675	Nut A	2.00	\$32.89	\$6.58	\$72.36
1S7408	Seal	2.00	\$12.42	\$2.48	\$27.32
3S1223	Seal-O-Ring	2.00	\$13.98	\$2.80	\$30.76
1S4974	Seal O Ring	2.00	\$23.96	\$4.79	\$52.71

1249913	Seal	2.00	\$114.20	\$22.84	\$251.24
3D2824	Seal O Ring	4.00	\$3.37	\$1.35	\$14.83
6V8397	Seal	4.00	\$2.37	\$0.95	\$10.43
6V5326	Ring	2.00	\$3.17	\$0.63	\$6.97
5J2974	Seal	2.00	\$2.62	\$0.52	\$5.76
1143582	Gasket	2.00	\$23.66	\$4.73	\$52.05
1143589	Seal-Ring	2.00	\$85.84	\$17.17	\$188.85
6W8906	Latch A	2.00	\$33.36	\$6.67	\$73.39
1143588	Seal-Ring	2.00	\$87.16	\$17.43	\$191.75
1844391	Disc Kit	2.00	\$1078.83	\$215.77	\$2373.43
5H3252	Seal O Ring	1.00	\$11.67	\$1.17	\$12.84
5P3864	Seal O Ring	1.00	\$10.18	\$1.02	\$11.20
2D9572	Seal O Ring	1.00	\$14.62	\$1.46	\$16.08
7905478	HYDRAULIC FILTER P164378	1.00	\$120.78	\$12.08	\$132.86
PE23508K	HOSE ASSEMBLY	1.00	\$355.83	\$35.58	\$391.41
PE44208K	HOSE ASSEMBLY	1.00	\$188.63	\$18.86	\$207.49
RDX076	ACCUM CAT AG / MINING	1.00	\$97.40	\$9.74	\$107.14
MGX C1	COMPACT 12/24V UHF/LMR	1.00	\$343.00	\$34.30	\$377.30
8J2928	PLOW BOLT 1" X 3 3/4" UNC	12.00	\$6.93	\$8.32	\$91.48
8J2933	PLOW NUT 1" UNC HEX CONE	12.00	\$2.97	\$3.56	\$39.20
R134A	A/C Refrigerant Gas Per KG Lic No. AU59226	1000.00	\$0.15	\$15.00	\$165.00

**Parts Total \$42752.16**

**CONSUMABLES**

CONSUMABLES BOILERMAKER WORKSHOP	Consumables boilermaker workshop	1.00	\$25.00	\$2.50	\$27.50
				<b>Consumables Total</b>	<b>\$27.50</b>

Subtotal \$83403.36

GST \$8340.46

**Total \$91743.82**

**Payment Terms:**

**Balance Due \$91743.82**

## Invoice Notes

**Date: June-July 2025**

**Tech Name:**

**Jobs Scope**

1. **Replace blown engine**
2. **Reseal all cylinders**
3. **Replace all pins and bushes**
4. **Replace damaged/worn hoses**
5. **Replace seat**
6. **Check over machine for defects**

- Set up machine in workshop
- Remove bucket and arm assembly
- Remove all cylinders and strip
- Send away for repairs
- Remove engine house
- Remove engine
- Strip radiator and send away
- Strip engine (send away for machining)
- Strip ripper assembly
- Send cylinders away for repair
- Assemble engine with rebuild kit
- Fit new turbo and fuel system
- Fit engine and new radiator assembly
- Fit all new bushes to bucket and arm
- Fit arm and bucket
- Reassemble cylinders and fit
- Assemble ripper cylinders
- Assemble ripper
- Replace seat
- Replace all damaged/worn hoses
- Check over machine
- Remove wheel motor and brake assemblies
- Strip, rebuild and refit to machine
- Remove aircon assembly
- Clean and reseal hosing
- Flush system and regas
- Fit new UHF
- Fit new FM Radio
- Replace horn assembly
- Replace reverse beeper assembly
- Complete 2000hr Service
- Wash machine to go to paint shop.
- Blast and paint
- Wash ready to go to work.

## Reported Faults:

- 

## External Transport

**Date:** 24/04/2025

**Details:** MM Freight & Logistics - From 546 Burnside Road, Yatala QLD to HMA Yard 10 Hansells Parade, Riverview QLD

**External Labour - Reseal 939 Ripper Cylinder - LH - 7J-9920**

**Date:** 29/05/2025

**Details:**

**Strip & Assess**

- Both eyes badly worn, replace
- Rods in poor condition, re-rod
- All other parts appear in serviceable condition

**Replace rod eye**

- Part off old eye
- Weld on new

**Manufacture new rod eye**

- Eye badly worn

**Replace barrel eye**

- Cut off old eye
- Manufacture new eye and weld on

**Polish parts**

- Polish gland seal grooves and threads
- Polish piston seal grooves

**Assemble & Test Cylinder**

**External Labour - Reseal 939 Ripper Cylinder - RH - 7J-9920**

**Date:** 29/05/2025

**Details:**

**Strip & Assess**

- Both eyes badly worn, replace
- Rods in poor condition, re-rod
- All other parts appear in serviceable condition

**Manufacture new rod**

- Rod chrome damaged
- Weld new eye to rod
- 1 1/2" x 610

**Manufacture new rod eye**

- Eye badly worn

**Replace barrel eye**

- Cut off old eye
- Manufacture new eye and weld on

**Polish parts**

- Polish gland seal grooves and threads
- Polish piston seal grooves

**Assemble & Test Cylinder**

**External Labour - Reseal 939 Bucket Cylinder - LH - 149-4362**

**Date:** 29/05/2025

**Details:**

**Strip & Assess**

- Rod in poor condition, re-rod
- New bushes required
- All other parts appear in serviceable condition

**Manufacture new rod**

- Rod chrome badly damaged
- 2" x 470
- Rod requested to be finished only

**Hone barrel**

- Hone to clean and wash out

### **Reclaim rod eye**

- Rod eye worn oversize
- Weld and bore to reclaim
- Eyes are out of round by approx 0.1mm, we recommend reclaiming

### **Reclaim barrel eye**

- Barrel eye worn oversize
- Weld and bore to reclaim
- Eyes are out of round by approx 0.1mm, we recommend reclaiming

### **Polish parts**

- Polish gland seal grooves and threads
- Polish piston seal grooves

### **Remove bushes and fit new**

#### **Bushes**

- 1 x rod bush
- 1 x barrel bush

#### **Seals**

- Estimate

### **Assemble & Test Cylinder**

## **External Labour - Reseal 939 Bucket Cylinder - RH - 149-4362**

**Date:** 29/05/2025

### **Details:**

#### **Strip & Assess**

- Rod in poor condition, re-rod
- Eyes in poor condition, reclaim
- New bushes required
- All other parts appear in serviceable condition

#### **Manufacture new rod**

- Rod chrome badly damaged
- 2" x 470

#### **Hone barrel**

- Hone to clean and wash out

### **Reclaim rod eye**

- Rod eye worn oversize
- Weld and bore to reclaim
- Eyes are out of round by approx 0.1mm, we recommend reclaiming

### **Reclaim barrel eye**

- Barrel eye worn oversize
- Weld and bore to reclaim
- Eyes are out of round by approx 0.1mm, we recommend reclaiming

### **Polish parts**

- Polish gland seal grooves and threads
- Polish piston seal grooves

### **Remove bushes and fit new**

#### **Bushes**

- 1 x rod bush
- 1 x barrel bush

#### **Seals**

- Estimate

### **Assemble & Test Cylinder**

## **External Labour - Reseal 939 Tilt Cylinder - LH - 121-4266**

**Date:** 29/05/2025

### **Details:**

#### **Strip & Assess**

- Eye badly worn, recommend replacement
- All other parts appear in serviceable condition

#### **Linish Rod**

- Linish to restore surface finish

#### **Hone barrel**

- Hone to clean and wash out

#### **Repair Rod Eye**

- Eye bore oversize
- Weld and bore to reclaim

#### **Reclaim barrel eye**

- Eye bore oversize
- Weld and bore to reclaim

#### **Remove bushes and fit new**

#### **Bushes**

- Rod and barrel bushes

#### **Seals**

#### **Assemble & Test Cylinder**

### **External Labour - Reseal 939 Tilt Cylinder - RH - 121-4266**

**Date:** 29/05/2025

#### **Details:**

#### **Strip & Assess**

- Eye badly worn, recommend replacement
- All other parts appear in serviceable condition

#### **Linish Rod**

- Linish to restore surface finish

#### **Hone barrel**

- Hone to clean and wash out

#### **Repair Rod Eye**

- Eye bore oversize
- Weld and bore to reclaim

#### **Reclaim barrel eye**

- Eye bore oversize
- Weld and bore to reclaim

#### **Remove bushes and fit new**

#### **Bushes**

- Rod and barrel bushes

#### **Seals**

#### **Assemble & Test Cylinder**

### **External Labour - Reseal 939 Lift Cylinder - LH - 141-2422**

**Date:** 29/05/2025

#### **Details:**

#### **Strip & Assess**

- Eye bores worn, weld and bore to reclaim
- All other parts appear in serviceable condition

#### **Linish Rod**

- Linish to restore surface finish

#### **Polish parts**

- Polish gland seal grooves and threads
- Polish piston seal grooves

#### **Remove bushes and fit new**

#### **Reclaim rod eye**

- Rod eye worn oversize
- Weld and bore to reclaim
- Eyes worn approx. 0.5-0.7mm, recommend reclaiming

#### **Reclaim barrel eye**

- Barrel eye worn oversize
- Weld and bore to reclaim

#### **Bushes**

- 1 x barrel bush

#### **Seals**

- Estimate

#### **Assemble & Test Cylinder**

### **External Labour - Reseal 939 Lift Cylinder - LH - 141-2422**

**Date:** 29/05/2025

#### **Details:**

#### **Strip & Assess**

- Eye bores worn, weld and bore to reclaim
- All other parts appear in serviceable condition

#### **Linish Rod**

- Linish to restore surface finish

#### **Hone Barrel**

- Hone to clean and wash out

#### **Polish parts**

- Polish gland seal grooves and threads
- Polish piston seal grooves

#### **Remove bushes and fit new**

#### **Reclaim rod eye**

- Rod eye worn oversize
- Weld and bore to reclaim
- Eyes worn approx. 0.5-0.7mm, recommend reclaiming

#### **Reclaim barrel eye**

- Barrel eye worn oversize
- Weld and bore to reclaim

#### **Bushes**

- 1 x barrel bush

#### **Seals**

- Estimate

#### **Assemble & Test Cylinder**

### **External Labour - Machining Block and Crank**

- Clean and inspect
- Face surface
- Null - Bore & Hone 4 Cylinder Block - up to 0.04
- Remove and install cam bearings and polish
- Wash block after machining
- Fit caps and head dowels
- Crack test crankshaft
- Grind crankshaft

### **External Transport - 23/07/2025**

From HMA Workshop 10 Hansells Parade, Riverview to HMA Blasting yard 140 Viking Drive, Wacol.

Please remember to note the INVOICE or ESTIMATE number on your EFT remittance  
Our Terms & Conditions are they vehicle is to be paid for upon collection unless you have a credit account setup with  
Heavy Maintenance Australia.  
Invoices that are not paid and are sent for debt collection will incur all collection fees