

Work Order History Report

22-May-2009

Asset	W/O No	Description	Finished	DoneReading	Downtime (hours)	Repairtime (hours)	
MIM		MT ISA MINES					
MIM-ME		MOBILE EQUIPMENT					
MIM-FEL		FRONT END LOADERS					
FEL022		988G FRONT END LOADER					
FEL022-AC		AIR CONDITIONING					
	9118	Repairs to A/C	2/02/2009	19125 Hrs-Eng		10	
	9128	Repairs to A/C system (hi-low pressure switch)	3/02/2009	19163 Hrs-Eng		3	
	10251	Repair Airconditioner, see attached documents.	7/05/2009	19986 Hrs-Eng		8	
	No of W/O for FEL022-AC	:	3	Asset Total:	FEL022-AC	22.5	21
FEL022-BDY		BODY/CHASSIS					
	6992	Replace damaged quarter glass	17/02/2009	19000 Hrs-Eng		3.5	
	8640	Fit new mudflap to loader	3/04/2009			1	
	9060	Carry out 6 monthly FSS inspection	24/04/2009			1	
	No of W/O for FEL022-BDY	:	3	Asset Total:	FEL022-BDY	6	5.5
FEL022-ELE		ELECTRICAL					
	8277	Fit E stop	31/03/2009			3	
	8874	Diagnose and repair lighting faults	13/04/2009	19779 Hrs-Eng		4	
	9045	Inspect radios, replace as required. Replaced UHF aerial connection. (Carried out during 250 hr svc)	17/04/2009	19779 Hrs-Eng		1	
	9041	Cancelled, Duplicate.	21/04/2009			0	
	No of W/O for FEL022-ELE	:	4	Asset Total:	FEL022-ELE	8.5	8
FEL022-GET		GROUND ENGAGING TOOLS					
	10207	Replacement GET	5/05/2009			0	
	10698	Replacement GET	13/05/2009			0	
	No of W/O for FEL022-GET	:	2	Asset Total:	FEL022-GET	0	0
	No of W/O for MIM	:	12	Parent Total:	MIM	37	34.5

MIM						
MIM-ME						
MIM-FEL						
FEL022		988G FRONT END LOADER				
	2650	988G 1,000 hour service	10/11/2008	18100 Hrs-Eng		11.5
	2597	LEFT STEERING RAM LEAKING	18/11/2008	18250 Hrs-Eng		2.5
	2995	FEL-250HR 988G Service	20/11/2008	18274 Hrs-Eng		5
	3299	Replace turbo intake hose	1/12/2008	18455 Hrs-Eng		2
	3371	Diagnose Engine - Lacking Power	1/12/2008	18455 Hrs-Eng		1
	3151	CARRY OUT FILTERGRAM	5/12/2008	18491 Hrs-Eng		2
	3301	Diagnose and repair Torque converter leaks	5/12/2008	18491 Hrs-Eng		4
	3334	FEL-500HR 988G Service	5/12/2008	18578 Hrs-Eng		5.5
	2976	REPAIR COOLANT AND EXHAUST LEAKS	7/12/2008	18578 Hrs-Eng		5
	3298	Diagnose and repair oil leaks	7/12/2008	18578 Hrs-Eng		5
	4053	Recharge fire suppression	18/12/2008	18699 Hrs-Eng		1
	3300	Replace / rotate as required bucket teeth	19/12/2008	18739 Hrs-Eng		9.5
	3706	Diagnose and repair coolant leak	19/12/2008	18739 Hrs-Eng		3
	4297	FEL-250HR 988G Service	30/12/2008	18750 Hrs-Eng		2
	4065	Diagnose engine faults	2/01/2009	18789 Hrs-Eng		20
	5071	Electrical repairs carried out over Christmas break	4/01/2009	18802 Hrs-Eng		6.5
	4034	FEL-250HR 988G Service	6/01/2009			0
	4996	Diagnose starting faults. Flat batteries.	16/01/2009			3
	4526	Replace water pump and starter motor	16/01/2009			8
	3739	FEL-1000HR 988G Service	20/01/2009	19033 Hrs-Eng		8.5
	5102	FEL-500HR 988G Service	21/01/2009	19043 Hrs-Eng		7.5
	4945	Diagnose and repair electrical faults	21/01/2009			0
	5023	Repair starting faults	21/01/2009	19043 Hrs-Eng		4
	5545	Diagnose faults on RH steer cylinder. Chrome found to have	29/01/2009			6

	tailed on cylinder rod. No replacement parts in country and OEM price exceeds \$6,000. Decision to not repair made as machine to be dismantled shortlv.					
5503	A/C repairs	29/01/2009	Hrs-Eng			3
5533	Repair electrical faults	31/01/2009	Hrs-Eng			5
5380	FEL-500HR 988G Service	3/02/2009	Hrs-Eng			0
5886	Re certification of rims PR150/PR151/PR152/PR153/PR154	5/02/2009	Hrs-Eng			0
5653	FEL-250HR 988G Service	12/02/2009	19246	Hrs-Eng		3.5
5973	Aircon not working. Investigate and repair. Possible compressor seal failure. All gas has been lost. Unit is still fit for service. IVESTIGATION SHOWS REPLACEMENT REQUIRED, AND SYSTEM FLUSH PRIOR TO RE-GAS.	13/02/2009		Hrs-Eng		3
6263	Repair pinion seal oil leak. (Replace front output seal)	19/02/2009	19294	Hrs-Eng		8.5
6534	Flashing light u/s	25/02/2009	19309	Hrs-Eng		1
6533	Coolant leak.Repairs to header tank.	27/02/2009	19309	Hrs-Eng		6.5
6875	Duplicate work order to cover invoice 19940	4/03/2009		Hrs-Eng		0
6455	FEL-500HR 988G Service.Following repairs carried out concurrently;Replaced shorted Duetz plug under RHF guardRepaired rear lightsRepair leaks at brake cooler (R)Applied Porta Power to rear trunnions to enable greasing. (requires inspection)	18/03/2009	19482	Hrs-Eng		7.5
6415	PAC09 Replace GET Consumables	26/03/2009		Hrs-Eng		0
8017	FEL-250HR 988G Service	17/04/2009	19779	Hrs-Eng		7.5
9415	FEL-2000HR 988G Service	14/05/2009	20035	Hrs-Eng		16
No of W/O for FEL022 :		38	Asset Total: FEL022		314.5	184
FEL022	988G FRONT END LOADER					
FEL022-DT	DRIVE TRAIN					
7210	Brake temp indicator light on	9/03/2009				10
No of W/O for FEL022-DT :		1	Asset Total: FEL022-DT		22	10
FEL022-ENG	ENGINE					
10198	Diagnose and repair engine break down	3/05/2009				0
No of W/O for FEL022-ENG :		1	Asset Total: FEL022-ENG		0	0
FEL022-HYD	HYDRAULICS					
8888	Soft ride not functioning.Adjusted activation speed from 10 kph to 4 kph.	30/04/2009	19919	Hrs-Eng		2
No of W/O for FEL022-HYD :		1	Asset Total: FEL022-HYD		2	2
SITE						
ME						
FEL						
FEL022	988G FRONT END LOADER					
2107	Replace isolation key	3/10/2008	17636	Hrs-Eng		1.5
2225	Repairs to Fire suppression and replacement of Hydraulic hose	9/10/2008		Hrs-Eng		0
2233	Replace starter motor gasket	9/10/2008	17778	Hrs-Eng		3.5
2165	988G 250 hour service	11/10/2008	17778	Hrs-Eng		4
2285	Carry out minor repairs.	23/10/2008	17845	Hrs-Eng		1.5
No of W/O for FEL022 :		5	Asset Total: FEL022		11.5	10.5
No of W/O for MIM :		46	Parent Total: MIM		350	206.5
Grand Total					387	241

NOT ACTIONED
NOT RESOLVED



Hastings Deering (Australia) Ltd. - A.B.N. 49 054 094 647

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QLD, 4814

Unit Number **FEL022**
Location **XSTRATA MT ISA**
Make **CATERPILLAR**
Model **988G**
Serial Number **BNH01470**
Compartment **engine-primary**
Oil Brand/Type **CASTROL RX SUPER 15W40**
Oil Changed **Y**

Lab Control Number **03746316**
Current Evaluation **A**

CURRENT					EVAL: A	Wear Levels in the 5 Micron Range appear OK. InfraRed Analysis appears acceptable. Viscosity Normal for Oil Type Indicated. All other Test Results appear Acceptable. Continue Sampling at the Recommended Interval.
DAYS TAKEN TO REACH LABORATORY: 6						
DATE TAKEN	DATE REC'D	OIL ADDED	METER HRS/KM	HRS/KM ON OIL		
14-05-09	19-05-09	5	20034	255		

PREVIOUS #1					EVAL: A	Wear Levels in the 5 Micron Range appear OK. InfraRed Analysis appears acceptable for Hrs/Kms. Viscosity Normal for Oil Type Indicated. All other Test Results appear Acceptable. Continue Sampling at the Recommended Interval.
DATE TAKEN	DATE REC'D	OIL ADDED	METER HRS/KM	HRS/KM ON OIL		
18-03-09	23-03-09	0	19483	233		

PREVIOUS #2					EVAL: A	Wear Levels in the 5 Micron Range appear OK. InfraRed Analysis appears acceptable for Hrs/Kms. Viscosity Normal for Oil Type Indicated. All other Test Results appear Acceptable. Continue Sampling at the Recommended Interval.
DATE TAKEN	DATE REC'D	OIL ADDED	METER HRS/KM	HRS/KM ON OIL		
12-02-09	23-02-09	0	19246	246		

PREVIOUS #3					EVAL: A	Wear Levels in the 5 Micron Range appear OK. InfraRed Analysis appears acceptable for Hrs/Kms. Viscosity Normal for Oil Type Indicated. All other Test Results appear Acceptable. Continue Sampling at the Recommended Interval.
DATE TAKEN	DATE REC'D	OIL ADDED	METER HRS/KM	HRS/KM ON OIL		
20-01-09	22-01-09	0	19047	250		

DATE TAKEN	ELEMENTS:- Concentration in ppm (weight/weight)											FLUID CONDITION/CONTAMINANTS												
	Cu	Fe	Cr	Wear metals			Additives					Ba	W	F	ST	OXI	NIT	SUL	PQ	DEP	V100			
140509	1	18	<1	<1	<1	4	<1	<1	<1	<1	2152	257	1180	1073	<1	<0.1	<3.0	86	14	23	14	8	OK	14
180309	1	10	<1	<1	<1	4	<1	<1	<1	<1	2224	263	1158	1095	<1	<0.1	<3.0	83	11	17	7	<1	OK	14
120209	2	7	<1	<1	2	3	<1	<1	<1	8	2270	264	1128	1045	<1	<0.1	<3.0	68	7	11	8	<1	OK	13
200109	4	11	<1	<1	2	4	<1	<1	<1	9	2610	298	1199	1122	<1	<0.1	<3.0	104	12	19	21	<1	OK	13
311208	2	2	<1	<1	<1	3	<1	<1	<1	1	2143	242	1099	1019	<1	<0.1	<3.0	8	5	1	9	7	OK	13
201208	4	13	<1	1	1	6	<1	<1	15	<1	2367	275	1125	1031	<1	<0.1	<3.0	90	18	27	18	7	OK	13

Cu - Copper Fe - Iron Cr - Chromium Pb - Lead Al - Aluminium Si - Silicon
 Sn - Tin Ni - Nickel Na - Sodium K - Potassium Ca - Calcium Mg - Magnesium
 Zn - Zinc P - Phosphorus Ba - Barium W - % Water F - %Fuel Dilution ST - Soot
 OXI - Oxidation NIT - Nitration SUL - Sulphur product PQ - PQ Index DEP - Visible Dep. V100 - Viscosity 100C

OVERALL SAMPLE EVALUATION: "A" - normal wear is occurring; no action required.
 "B" - increased wear is occurring; corrective action may be required.
 "C" - abnormal wear is occurring; corrective action is required.
 "X" - extreme or critical wear is occurring; immediate corrective action is required.

