

LIEBHERR LH50 100676 - Swing Drive

Sample No: LH0280917

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Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	LH0280917	LH0260316	LH0230421			
Sample Date	08 Feb 2024	01 Jun 2023	24 Jul 2022			
Machine Hours	18585	0	0			
Oil Hours	0	0	0			
Oil Changed	N/A	Changed	N/A			
Sample Status	SEVERE	ABNORMAL	NORMAL			
OIL CONDITION						
Visc @ 40°C cSt	0 104	0 108	0 172			

Water	%	1.690	0.852	NEG	
Silicon	ppm	04	03	◯ <1	
Sodium	ppm	01	0 1	02	
Potassium	ppm	() <1	0	0	

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Iron	ppm	○ 710	0 335	0 33	
Copper	ppm	59	0 64	0 19	
Lead	ppm	0 2	0 2	0 <1	
Tin	ppm	01	0 2	0 1	
Aluminum	ppm	<1	0 <1	0	
Chromium	ppm	0 5	0 2	0	
Molybdenum	ppm	0 🔘	○ <1	◯ <1	
Nickel	ppm	01	○ <1	◯ <1	
Titanium	ppm	0	0	0	
Silver	ppm	0	0	0	
Manganese	ppm	0 5	03	◯ <1	
Vanadium	ppm	0	0	0	

ADDITIVES					
Calcium	ppm	0 11	20	0 11	
Magnesium	ppm	0 2	0 4	9	
Zinc	ppm	0 14	0 18	8	
Phosphorus	ppm	0 1259	0 1451	2238	
Barium	ppm	0	0	0	
Boron	ppm	0 108	○ 99	6	





R J MACISAAC CONSTRUCTION LTD

70 WEST ST, SUITE #1 ANTIGONISH, NS CA B2G 2X7 Contact: Service Manager INFO@RJMACISAAC.CA T: (902)863-6950 F: (902)863-0113

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot:	RJMANT
Unique No:	5723846
Signed:	Kevin Marson
Report Date:	13 Feb 2024

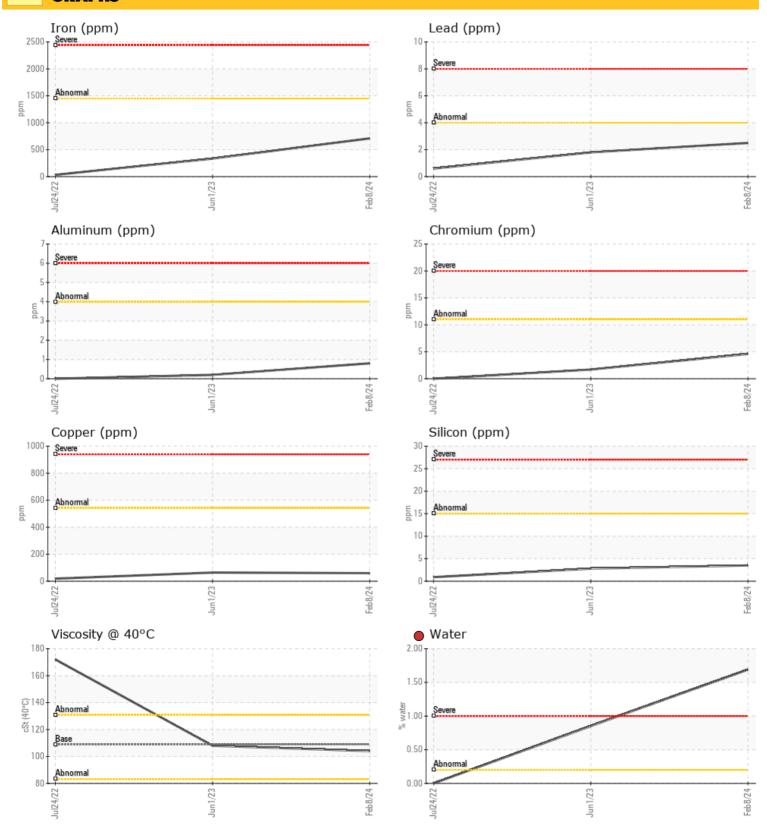
Contact/Location: Service Manager - RJMANT





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Contact/Location: Service Manager - RJMANT