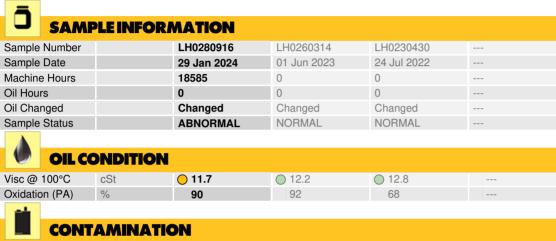
LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH50 100676 - Diesel Engine

Sample No: LH0280916
Oil Type: {unknown}



CON	TAMIN	ATION			
Water	%	NEG	NEG	NEG	
Soot %	%	0	O 0	0	
Nitration (PA)	%	90	94	65	
Sulfation (PA)	%	64	65	55	
Glycol	%	NEG	NEG	NEG	
Fuel	%	<u> </u>	<1.0	<1.0	
Silicon	ppm	6	O 10	10	
Sodium	ppm	5	4	2	
Potassium	ppm	3	O 1	O 1	

(A)					
WEA	R METALS				
Iron	ppm	8	0 8	4	
Copper	ppm	7	0 8	3	
Lead	ppm	<1	O <1	O 2	
Tin	ppm	○ <1	O <1	O <1	
Aluminum	ppm	3	0 2	3	
Chromium	ppm	<1	O <1	O 0	
Molybdenum	ppm	56	O 70	O 144	
Nickel	ppm	○ <1	O <1	O 0	
Titanium	ppm	0	O <1	<1	
Silver	ppm	0	O 0	0	
Manganese	ppm	0	O <1	<1	
Vanadium	ppm	0	0	<1	

840			
₩ 0 7 0	960	O 1532	
1086	O 1104	639	
1179	1180	○ 805	
972	1044	704	
0	O 0	O 0	
20	○ 28	○ 337	
	① 1086 ② 1179 ② 972 ② 0	○ 1086 ○ 1104 ○ 1179 ○ 1180 ○ 972 1044 ○ 0 ○ 0	○ 1086 ○ 1104 ○ 639 ○ 1179 ○ 1180 ○ 805 ○ 972 1044 704 ○ 0 ○ 0 ○ 0





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)863-6950

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Light fuel dilution occurring. Fuel is present in the oil and is lowering the viscosity. The condition of the oil is acceptable for the time in service.

Depot: RJMANT
Unique No: 5723677
Signed: Wes Davis
Report Date: 12 Feb 2024

CONSTRUCTION EQUIPMENT





GRAPHS

