

# LIEBHERR LH40M 156305-1215 - Diesel Engine

Sample No: LH

**Oil Type:** NOT GIVEN

# **Sample Information**

Sample Number	LH	LH0278468	 
Sample Date	09 May 2024	20 Feb 2024	 
Machine Hours	1010	536	 
Oil Hours	0	0	 
Oil Changed	Changed	Changed	 
Sample Status	ABNORMAL	MARGINAL	 

Oil Condition									
Visc @ 100°C	cSt	<u> </u>	11.8						
Oxidation (PA)	%	96	213						
ada -									

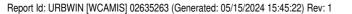
Contamination					
Water	%	NEG	NEG		
Soot %	%	0 🔘	0		
Nitration (PA)	%	86	105		
Sulfation (PA)	%	64	112		
Glycol	%	NEG	NEG		
Fuel	%	0.6	0 2		
Silicon	ppm	6	07		
Sodium	ppm	04	0 2		
Potassium	ppm	<b>()</b> <1	03		

# Woar Motals

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		3		
Iron	ppm	05	0 10	 
Copper	ppm	125	95	 
Lead	ppm	03	6	 
Tin	ppm	0 ()	○ <1	 
Aluminum	ppm	01	2	 
Chromium	ppm	<b>○</b> <1	01	 
Molybdenum	ppm	0 57	0 46	 
Nickel	ppm	0 🔘	○ <1	 
Titanium	ppm	0	0	 
Silver	ppm	0 ()	0	 
Manganese	ppm	<1	<1	 
Vanadium	ppm	0	0	 

Additives					
ppm	867	0 1355			
ppm	0 1062	910			
ppm	0 1132	780			
ppm	962	671			
ppm	04	29			
ppm	0 39	0 100			
	ppm ppm ppm ppm ppm	ppm 867 ppm 1062 ppm 1132 ppm 962 ppm 4	ppm  867  1355    ppm  1062  910    ppm  1132  780    ppm  962  671    ppm  4  29	ppm  867  1355     ppm  1062  910     ppm  1132  780     ppm  962  671     ppm  4  29	



### Urban Mine

72 Rothwell Rd. Winnipeg, MB CA R3P 2H7 Contact: SERVICE

T: (204)774-0192 F:

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

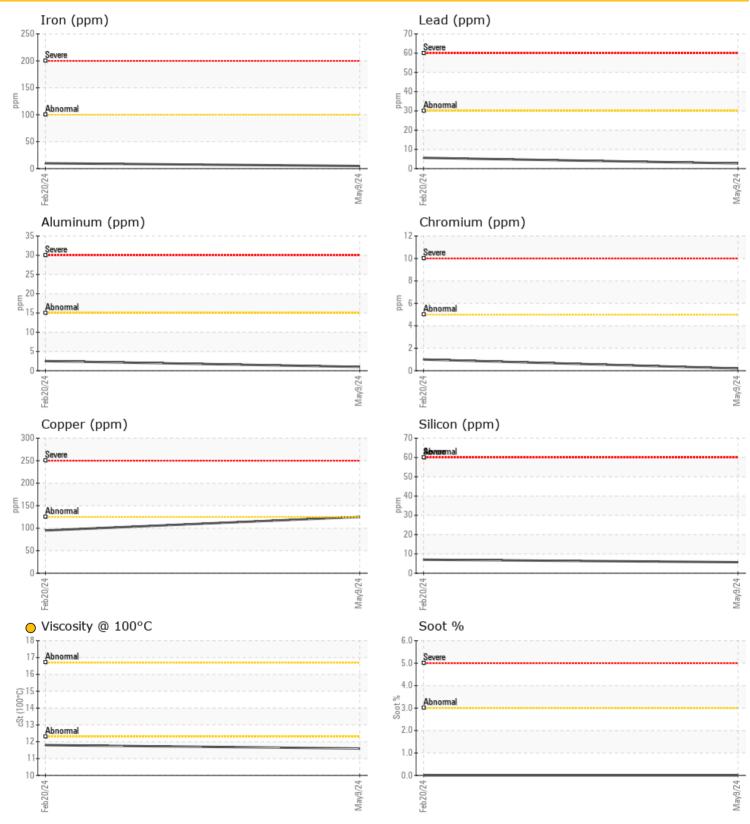


# **CONSTRUCTION EQUIPMENT**



Graphs

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Submitted By: Vincent Blanchette Page 2 of 2