

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH40M 156305-1215 - Diesel Engine

Sample No: LH  
Oil Type: NOT GIVEN



**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.



#### 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	11.6	11.8	---	---
Oxidation (PA)	%	96	213	---	---



#### Contamination

Water	%	NEG	NEG	---	---
Soot %	%	0	0	---	---
Nitration (PA)	%	86	105	---	---
Sulfation (PA)	%	64	112	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	0.6	2	---	---
Silicon	ppm	6	7	---	---
Sodium	ppm	4	2	---	---
Potassium	ppm	<1	3	---	---



#### Wear Metals

Iron	ppm	5	10	---	---
Copper	ppm	125	95	---	---
Lead	ppm	3	6	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	1	2	---	---
Chromium	ppm	<1	1	---	---
Molybdenum	ppm	57	46	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



#### Additives

Calcium	ppm	867	1355	---	---
Magnesium	ppm	1062	910	---	---
Zinc	ppm	1132	780	---	---
Phosphorus	ppm	962	671	---	---
Barium	ppm	4	29	---	---
Boron	ppm	39	100	---	---

Depot: URBWIN  
Unique No: 5776416  
Signed: Kevin Marson  
Report Date: 15 May 2024

Submitted By: Vincent Blanchette



### Graphs

