

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40M 156305-1215 - Diesel Engine

Sample No: LH0278468

Oil Type: {unknown}



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

T: (204)774-0192
F:



SAMPLE INFORMATION

Sample Number	LH0278468	---	---	---
Sample Date	20 Feb 2024	---	---	---
Machine Hours	536	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	MARGINAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	11.8	---	---	---
Oxidation (PA)	%	213	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	105	---	---	---
Sulfation (PA)	%	112	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	2	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	3	---	---	---



WEAR METALS

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



ADDITIVES

Calcium	ppm	1355	---	---	---
Magnesium	ppm	910	---	---	---
Zinc	ppm	780	---	---	---
Phosphorus	ppm	671	---	---	---
Barium	ppm	29	---	---	---
Boron	ppm	100	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 30 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. Metal levels are typical for a new component breaking in. Light fuel dilution occurring. No other contaminants were detected 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.

Depot: URBWIN
Unique No: 5734484
Signed: Kevin Marson
Report Date: 23 Feb 2024

Submitted By: Vincent Blanchette



GRAPHS

