

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH40M 155749-1215 - Diesel Engine

Sample No: LH0286914

Oil Type: {unknown}



#### SAMPLE INFORMATION

Sample Number	LH0286914	---	---	---
Sample Date	10 Mar 2024	---	---	---
Machine Hours	497	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**MOFFATT SCRAP IRON & METAL INC.**  
 9620 GUELPH LINE  
 CAMPBELLVILLE, ON  
 CA L0P 1B0  
 Contact: Paul Brochu  
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 T: (905)854-2792  
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#### OIL CONDITION

Visc @ 100°C	cSt	11.8	---	---	---
Oxidation (PA)	%	212	---	---	---



#### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	103	---	---	---
Sulfation (PA)	%	112	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.6	---	---	---
Silicon	ppm	8	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	4	---	---	---

#### 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. Please specify the brand, type, and viscosity 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.



#### WEAR METALS

Iron	ppm	9	---	---	---
Copper	ppm	102	---	---	---
Lead	ppm	5	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	46	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	1337	---	---	---
Magnesium	ppm	907	---	---	---
Zinc	ppm	789	---	---	---
Phosphorus	ppm	665	---	---	---
Barium	ppm	26	---	---	---
Boron	ppm	97	---	---	---

**Depot:** MOFMOF  
**Unique No:** 5746170  
**Signed:** Kevin Marson  
**Report Date:** 12 Mar 2024



### GRAPHS

