

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 138820-1216 - Diesel Engine

Sample No: LH

Oil Type: DIESEL ENGINE OIL SAE 40



#### SAMPLE INFORMATION

Sample Number	LH	LH0260716	LH	---
Sample Date	10 Sep 2023	26 May 2023	26 Mar 2023	---
Machine Hours	950	950	524	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

D.P. Metal Inc.

373A Chemin Grande-Ligne

Saint-Urbain Premier, QC

CA J0S 1Y0

Contact: Service .



#### OIL CONDITION

Visc @ 100°C	cSt	13.1	11.4	11.8	---
Oxidation (PA)	%	67	88	205	---

T: (450)427-0506

F:



#### CONTAMINATION

Soot %	%	0	0	0	---
Nitration (PA)	%	69	79	99	---
Sulfation (PA)	%	54	60	116	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	1.6	0.9	---
Silicon	ppm	8	8	8	---
Sodium	ppm	2	4	2	---
Potassium	ppm	2	<1	3	---

#### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	4	5	9	---
Copper	ppm	28	163	327	---
Lead	ppm	2	4	10	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	2	1	3	---
Chromium	ppm	<1	<1	1	---
Molybdenum	ppm	57	60	46	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	1	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	1109	888	1451	---
Magnesium	ppm	971	1112	937	---
Zinc	ppm	1222	1170	856	---
Phosphorus	ppm	1068	1068	779	---
Barium	ppm	<1	2	20	---
Boron	ppm	3	35	101	---

Depot: DPMSAI

Unique No: 5642373

Signed: Wes Davis

Report Date: 11 Sep 2023



### GRAPHS

