

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [[20230458]] LIEBHERR LH30M 145272-1253 - Diesel Engine

Sample No: LH0250165

Oil Type: DIESEL ENGINE OIL SAE 40



#### SAMPLE INFORMATION

Sample Number	LH0250165	LH0250171	---	---
Sample Date	08 Sep 2023	05 Jun 2023	---	---
Machine Hours	1004	500	---	---
Oil Hours	0	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

#### Industrial Metals

550 Messier St.  
Winnipeg, MB  
CA R2J 0G5  
Contact: Service Manager



#### OIL CONDITION

Visc @ 100°C	cSt	12.8	11.8	---	---
Oxidation (PA)	%	73	210	---	---

T:  
F:



#### CONTAMINATION

Soot %	%	0	0	---	---
Nitration (PA)	%	62	99	---	---
Sulfation (PA)	%	58	112	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	1.2	---	---
Silicon	ppm	6	9	---	---
Sodium	ppm	1	2	---	---
Potassium	ppm	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. All component wear rates are normal. 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	6	15	---	---
Copper	ppm	137	275	---	---
Lead	ppm	4	9	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	1	4	---	---
Chromium	ppm	<1	3	---	---
Molybdenum	ppm	57	47	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	1	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	1113	1447	---	---
Magnesium	ppm	975	938	---	---
Zinc	ppm	1169	844	---	---
Phosphorus	ppm	1044	779	---	---
Barium	ppm	2	27	---	---
Boron	ppm	6	106	---	---

Depot: IND550WIN  
Unique No: 5644860  
Signed: Bill Quesnel  
Report Date: 21 Sep 2023



### GRAPHS

