

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 144842 - Diesel Engine

Sample No: LH0274759

Oil Type: DIESEL ENGINE OIL SAE 40



**LIEBHERR CANADA LTD.**  
 1015 SUTTON DRIVE  
 BURLINGTON, ON  
 CA L7L 5Z8  
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#### SAMPLE INFORMATION

Sample Number	LH0274759	---	---	---
Sample Date	23 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 100°C	cSt	12.6	---	---	---
Oxidation (PA)	%	84	---	---	---



#### CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	77	---	---	---
Sulfation (PA)	%	64	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	8	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	<1	---	---	---



#### WEAR METALS

Iron	ppm	6	---	---	---
Copper	ppm	22	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	56	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	1082	---	---	---
Magnesium	ppm	958	---	---	---
Zinc	ppm	1112	---	---	---
Phosphorus	ppm	931	---	---	---
Barium	ppm	4	---	---	---
Boron	ppm	7	---	---	---

#### 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.

Depot: LIEMIS  
 Unique No: 5631004  
 Signed: Wes Davis  
 Report Date: 24 Aug 2023



### GRAPHS

