

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 137429 - Diesel Engine

Sample No: LH0270173

Oil Type: DIESEL ENGINE OIL SAE 40



**LIEBHERR CANADA LTD.**  
 1015 SUTTON DRIVE  
 BURLINGTON, ON  
 CA L7L 5Z8  
 Contact: Joseph Rodgers  
 joseph.rodgers@liebherr.com  
 T:  
 F: (905)319-6622



#### SAMPLE INFORMATION

Sample Number	LH0270173	---	---	---
Sample Date	01 Apr 2024	---	---	---
Machine Hours	8697	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 100°C	cSt	13.0	---	---	---
Oxidation (PA)	%	68	---	---	---



#### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	73	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	1	---	---	---
Potassium	ppm	<1	---	---	---



#### WEAR METALS

Iron	ppm	3	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	58	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	1079	---	---	---
Magnesium	ppm	971	---	---	---
Zinc	ppm	1197	---	---	---
Phosphorus	ppm	992	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	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.

Depot: LIEMIS  
 Unique No: 5759170  
 Signed: Wes Davis  
 Report Date: 02 Apr 2024



### GRAPHS

