

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 73992-Diesel Engine

Sample No: LH0270207

Oil Type: DIESEL ENGINE OIL SAE 40



#### SAMPLE INFORMATION

Sample Number	LH0270207	---	---	---
Sample Date	03 Mar 2024	---	---	---
Machine Hours	2090	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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



#### OIL CONDITION

Visc @ 100°C	cSt	13.1	---	---	---
Oxidation (PA)	%	71	---	---	---



#### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	6	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	13	---	---	---



#### WEAR METALS

Iron	ppm	7	---	---	---
Copper	ppm	67	---	---	---
Lead	ppm	3	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	46	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	1299	---	---	---
Magnesium	ppm	777	---	---	---
Zinc	ppm	1171	---	---	---
Phosphorus	ppm	972	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	24	---	---	---

#### 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. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. 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: 5736630  
 Signed: Wes Davis  
 Report Date: 04 Mar 2024



### GRAPHS

