

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 146311 - Diesel Engine

Sample No: LH0289465

Oil Type: DIESEL ENGINE OIL SAE 10W30



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

Sample Number	LH0289465	---	---	---
Sample Date	02 May 2024	---	---	---
Machine Hours	699	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



#### Oil Condition

Visc @ 100°C	cSt	11.8	---	---	---
Oxidation (PA)	%	218	---	---	---



#### Contamination

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	103	---	---	---
Sulfation (PA)	%	114	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.2	---	---	---
Silicon	ppm	9	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	3	---	---	---



#### Wear Metals

Iron	ppm	17	---	---	---
Copper	ppm	325	---	---	---
Lead	ppm	11	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	5	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	47	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



#### Additives

Calcium	ppm	1369	---	---	---
Magnesium	ppm	965	---	---	---
Zinc	ppm	876	---	---	---
Phosphorus	ppm	702	---	---	---
Barium	ppm	46	---	---	---
Boron	ppm	81	---	---	---

#### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Fuel content negligible. 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: 5774246  
 Signed: Kevin Marson  
 Report Date: 06 May 2024



### Graphs

