

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 156991 - Diesel Engine

Sample No: LH0285073

Oil Type: {unknown}



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

Sample Number	LH0285073	---	---	---
Sample Date	04 Mar 2024	---	---	---
Machine Hours	1005	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 100°C	cSt	11.7	---	---	---
Oxidation (PA)	%	214	---	---	---



#### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	108	---	---	---
Sulfation (PA)	%	110	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.7	---	---	---
Silicon	ppm	8	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	3	---	---	---



#### WEAR METALS

Iron	ppm	15	---	---	---
Copper	ppm	93	---	---	---
Lead	ppm	9	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	1	---	---	---
Molybdenum	ppm	49	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	1324	---	---	---
Magnesium	ppm	929	---	---	---
Zinc	ppm	859	---	---	---
Phosphorus	ppm	708	---	---	---
Barium	ppm	53	---	---	---
Boron	ppm	65	---	---	---

#### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: LIEMIS  
 Unique No: 5736956  
 Signed: Kevin Marson  
 Report Date: 06 Mar 2024



### GRAPHS

