

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### NO UNIT LH0269954 - Diesel Engine

Sample No: LH0269954  
 Oil Type: NOT GIVEN



#### SAMPLE INFORMATION

Sample Number	LH0269954	---	---	---
Sample Date	07 Nov 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

**LIEBHERR CANADA LTEE**  
 444 AVENUE DE LA FRICHE  
 DOLBEAU-MISTASSINI, QC  
 CA G8L 3M7  
 Contact: Marie-Eve Belley  
 marie-eve.belley@liebherr.com  
 T:  
 F: (418)276-9844



#### OIL CONDITION

Visc @ 100°C	cSt	11.9	---	---	---
Oxidation (PA)	%	160	---	---	---



#### CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	90	---	---	---
Sulfation (PA)	%	92	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.3	---	---	---
Silicon	ppm	8	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	3	---	---	---

#### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the component make and model with your next sample. 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. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	14	---	---	---
Copper	ppm	196	---	---	---
Lead	ppm	7	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	49	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	1174	---	---	---
Magnesium	ppm	985	---	---	---
Zinc	ppm	962	---	---	---
Phosphorus	ppm	815	---	---	---
Barium	ppm	22	---	---	---
Boron	ppm	55	---	---	---

Depot: LBADOL  
 Unique No: 5671958  
 Signed: Bill Quesnel  
 Report Date: 10 Nov 2023



### GRAPHS

