

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L556 069061-1826 - Diesel Engine

Sample No: LH0257330

Oil Type: DIESEL ENGINE OIL SAE 40



#### SAMPLE INFORMATION

Sample Number	LH0257330	LH0257283	LH0257286	---
Sample Date	25 Jan 2024	24 May 2023	12 May 2023	---
Machine Hours	4000	450	1010	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Changed	Not Changd	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

**PRODUITS FORESTIERS D.G. LTEE**  
 313 RANG ST-JOSEPH  
 STE-AURELIE, QC  
 CA G0M 1M0  
 Contact: Roger .



#### OIL CONDITION

Visc @ 100°C	cSt	14.1	12.0	13.5	---
Oxidation (PA)	%	62	208	79	---

T: (418)593-3547  
 F: (418)593-3633



#### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0	0	0	---
Nitration (PA)	%	61	95	66	---
Sulfation (PA)	%	51	111	58	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	0.8	<1.0	---
Silicon	ppm	5	10	7	---
Sodium	ppm	<1	2	1	---
Potassium	ppm	1	3	<1	---

#### Diagnosis

Resample at the next service interval to monitor. 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.



#### WEAR METALS

Iron	ppm	3	10	7	---
Copper	ppm	1	406	231	---
Lead	ppm	<1	11	6	---
Tin	ppm	0	1	<1	---
Aluminum	ppm	1	2	1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	57	45	57	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	1	<1	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	1057	1459	1126	---
Magnesium	ppm	950	917	964	---
Zinc	ppm	1177	843	1170	---
Phosphorus	ppm	994	779	1049	---
Barium	ppm	0	31	4	---
Boron	ppm	1	101	8	---

Depot: PRO9STE  
 Unique No: 5720480  
 Signed: Wes Davis  
 Report Date: 26 Jan 2024



### GRAPHS

