

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L506 051669 - Diesel Engine

Sample No: LH0261005

Oil Type: PETRO CANADA 10W30



#### SAMPLE INFORMATION

Sample Number	LH0261005	---	---	---
Sample Date	14 Dec 2023	---	---	---
Machine Hours	2322	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	MARGINAL	---	---	---

**LIEBHERR CANADA LTEE**  
 444 AVENUE DE LA FRICHE  
 DOLBEAU-MISTASSINI, QC  
 CA G8L 3M7  
 Contact: Martin Gagnon  
 martin.gagnon@liebherr.com  
 T:  
 F: (418)276-9844



#### OIL CONDITION

Visc @ 100°C	cSt	12.6	---	---	---
Oxidation (PA)	%	76	---	---	---



#### CONTAMINATION

Water	%	0.111	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	87	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	0.0	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	4	---	---	---
Potassium	ppm	2	---	---	---

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is a trace of moisture present in the oil. Test for glycol is negative. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	8	---	---	---
Copper	ppm	<1	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	44	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	1190	---	---	---
Magnesium	ppm	822	---	---	---
Zinc	ppm	1152	---	---	---
Phosphorus	ppm	1015	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	71	---	---	---

Depot: LBADOL  
 Unique No: 5732990  
 Signed: Kevin Marson  
 Report Date: 16 Feb 2024



### GRAPHS

