

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L566 071183-1758 - Diesel Engine

Sample No: LH0251932

Oil Type: PETRO CANADA 10W40



#### SAMPLE INFORMATION

Sample Number	LH0251932	LH0260616	---	---
Sample Date	29 Dec 2023	19 May 2023	---	---
Machine Hours	3102	1190	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

**Abbycel Substrate Ltd.**  
 3545 Ross Road  
 Abbotsford, BC  
 CA V4X 1M6  
 Contact: Service Manager



#### OIL CONDITION

Visc @ 100°C	cSt	14.5	13.2	---	---
Oxidation (PA)	%	67	72	---	---

T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0	0	---	---
Nitration (PA)	%	51	59	---	---
Sulfation (PA)	%	57	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	2	4	---	---
Sodium	ppm	2	4	---	---
Potassium	ppm	2	0	---	---

#### 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	2	3	---	---
Copper	ppm	<1	1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	1	2	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	<1	58	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	1852	887	---	---
Magnesium	ppm	86	1065	---	---
Zinc	ppm	1038	1151	---	---
Phosphorus	ppm	884	1040	---	---
Barium	ppm	0	0	---	---
Boron	ppm	139	38	---	---

**Depot:** ABB354ABB  
**Unique No:** 5708031  
**Signed:** Kevin Marson  
**Report Date:** 08 Jan 2024



### GRAPHS

