

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 74609 - Diesel Engine

Sample No: LH0295153

Oil Type: PETRO CANADA 10W40



#### Sample Information

Sample Number	LH0295153	---	---	---
Sample Date	07 Jul 2024	---	---	---
Machine Hours	3024	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**MODERN CONSTRUCTION (1983) LTD.**  
 364 BRIGGS CROSS ROAD  
 STILESVILLE, NB  
 CA E1G 3G3  
 Contact: Blaine Cail  
 blaine.cail@moderngroup.ca  
 T:  
 F:



#### Oil Condition

Visc @ 100°C	cSt	11.8	---	---	---
Oxidation (PA)	%	77	---	---	---



#### Contamination

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	75	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.0	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	4	---	---	---
Potassium	ppm	<1	---	---	---

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Tests indicate that there is no fuel present in the oil. There is no indication of any contamination 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.



#### Wear Metals

Iron	ppm	5	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	59	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



#### Additives

Calcium	ppm	856	---	---	---
Magnesium	ppm	1110	---	---	---
Zinc	ppm	1238	---	---	---
Phosphorus	ppm	1008	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	29	---	---	---

**Depot:** MODSTI  
**Unique No:** 5813165  
**Signed:** Kevin Marson  
**Report Date:** 16 Jul 2024



### Graphs

