

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 83537 - Diesel Engine

Sample No: LH0269651

Oil Type: PETRO CANADA SUPREME 5W30



#### SAMPLE INFORMATION

Sample Number	LH0269651	---	---	---
Sample Date	29 Nov 2023	---	---	---
Machine Hours	9270	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**American Iron and Metal**  
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#### OIL CONDITION

Visc @ 100°C	cSt	11.7	---	---	---
Oxidation (PA)	%	83	---	---	---



#### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	85	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	0.0	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	4	---	---	---
Potassium	ppm	9	---	---	---

#### 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	6	---	---	---
Copper	ppm	9	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	48	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	1041	---	---	---
Magnesium	ppm	941	---	---	---
Zinc	ppm	1213	---	---	---
Phosphorus	ppm	1014	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	39	---	---	---

**Depot:** AIMMON  
**Unique No:** 5694597  
**Signed:** Wes Davis  
**Report Date:** 08 Dec 2023



### GRAPHS

