

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 606391 - Diesel Engine

Sample No: LH0281338

Oil Type: PETRO CANADA 10W40



#### Sample Information

Sample Number	LH0281338	---	---	---
Sample Date	08 Apr 2024	---	---	---
Machine Hours	16036	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**American Iron and Metal**  
 1273 Kelly Lake Rd.  
 Sudbury, ON  
 CA P3E 5P5  
 Contact: Service Manager



#### Oil Condition

Visc @ 100°C	cSt	14.0	---	---	---
Oxidation (PA)	%	64	---	---	---

T:  
F:



#### Contamination

Water	%	NEG	---	---	---
Soot %	%	2.3	---	---	---
Nitration (PA)	%	83	---	---	---
Sulfation (PA)	%	64	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	<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	21	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	64	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



#### Additives

Calcium	ppm	1055	---	---	---
Magnesium	ppm	1075	---	---	---
Zinc	ppm	1278	---	---	---
Phosphorus	ppm	1055	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	5	---	---	---

**Depot:** AIMSUD  
**Unique No:** 5760945  
**Signed:** Wes Davis  
**Report Date:** 10 Apr 2024



### Graphs

