

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### NOT GIVEN LH0258815 (S/N NO INFO ON SIF/BOTTLE) - Diesel

Sample No: LH0258815

Oil Type: {unknown}



#### SAMPLE INFORMATION

Sample Number	LH0258815	---	---	---
Sample Date	07 Mar 2024	---	---	---
Machine Hours	439	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

**AMERICAN STATE EQUIPMENT CO.**  
 2400 NORTH 14TH AVENUE  
 WAUSAU, WI  
 US 54401  
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#### OIL CONDITION

Visc @ 100°C	cSt	11.6	---	---	---
Base Number (BN)	mg KOH/g	6.0	---	---	---
Oxidation (PA)	%	176	---	---	---

#### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



#### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	87	---	---	---
Sulfation (PA)	%	99	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.0	---	---	---
Silicon	ppm	22	---	---	---
Sodium	ppm	4	---	---	---
Potassium	ppm	0	---	---	---



#### WEAR METALS

Iron	ppm	11	---	---	---
Copper	ppm	287	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	40	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

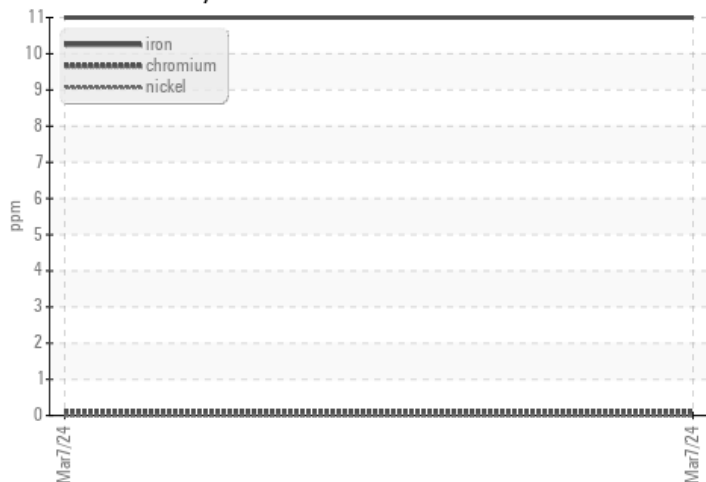
Calcium	ppm	1307	---	---	---
Magnesium	ppm	859	---	---	---
Zinc	ppm	849	---	---	---
Phosphorus	ppm	751	---	---	---
Barium	ppm	23	---	---	---
Boron	ppm	121	---	---	---

**Depot:** LEC0008  
**Unique No:** 10939712  
**Signed:** Jonathan Hester  
**Report Date:** 26 Mar 2024

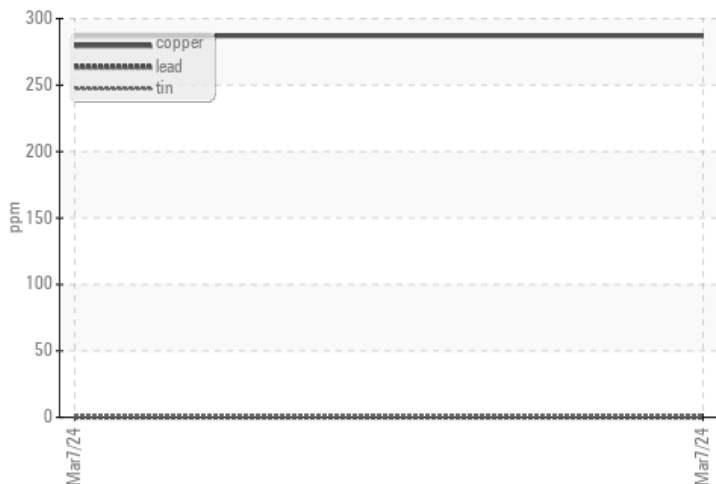


### GRAPHS

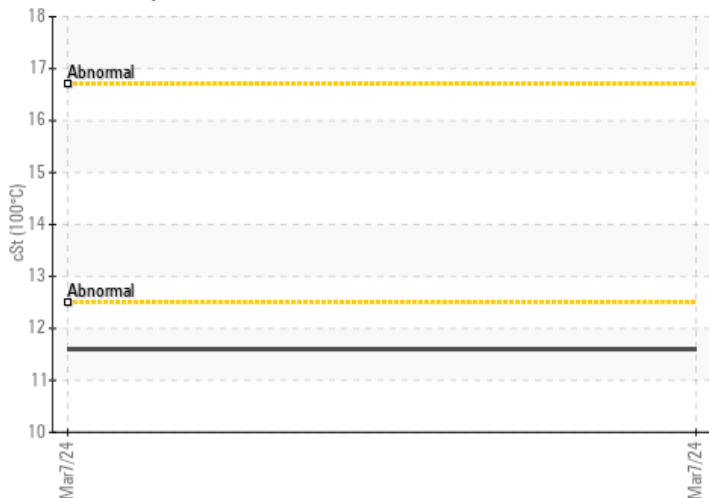
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

