

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 072147-1721 - Diesel Engine

Sample No: LH0263820

Oil Type: NOT GIVEN



#### SAMPLE INFORMATION

Sample Number	LH0263820	---	---	---
Sample Date	14 Jul 2023	---	---	---
Machine Hours	500	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
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	11.9	---	---	---
Base Number (BN)	mg KOH/g	5.7	---	---	---
Oxidation (PA)	%	196	---	---	---

#### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



#### CONTAMINATION

Soot %	%	0.1	---	---	---
Nitration (PA)	%	93	---	---	---
Sulfation (PA)	%	106	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.8	---	---	---
Silicon	ppm	12	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	4	---	---	---



#### WEAR METALS

Iron	ppm	10	---	---	---
Copper	ppm	22	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	46	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

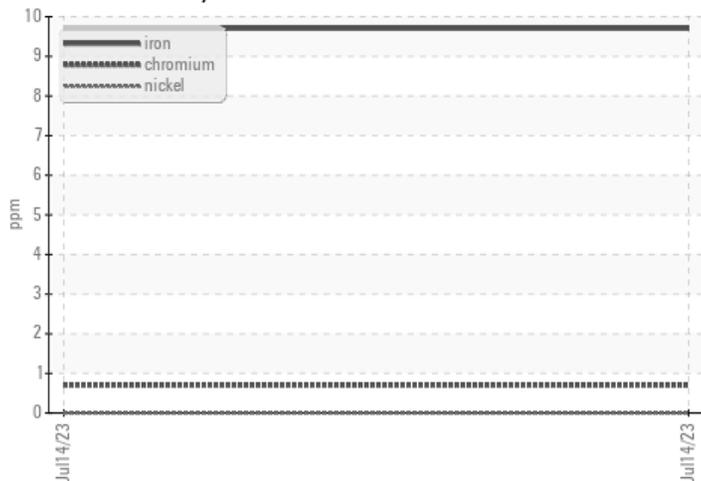
Calcium	ppm	1495	---	---	---
Magnesium	ppm	934	---	---	---
Zinc	ppm	952	---	---	---
Phosphorus	ppm	788	---	---	---
Barium	ppm	25	---	---	---
Boron	ppm	115	---	---	---

**Depot:** LEC0008  
**Unique No:** 10566089  
**Signed:** Don Baldrige  
**Report Date:** 25 Jul 2023

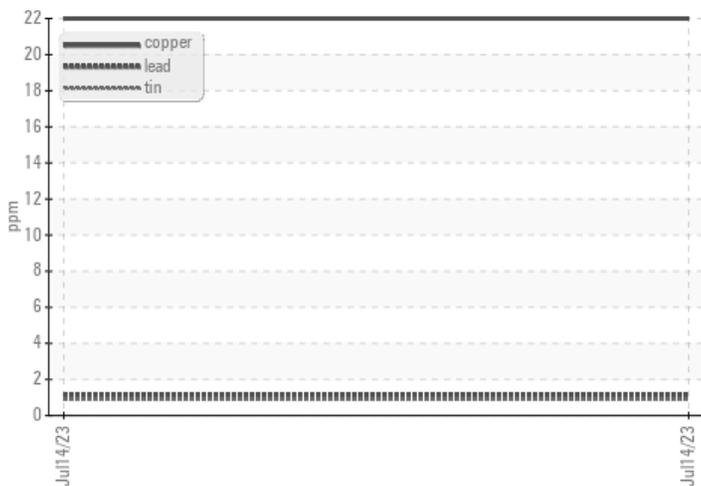


### GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

