

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L550 050779-1214 - Diesel Engine

Sample No: LH0243139

Oil Type: LIEBHERR MOTOROIL 5W-30 LOW ASH



#### SAMPLE INFORMATION

Sample Number	LH0243139	LH0207890	---	---
Sample Date	13 Dec 2022	08 Apr 2022	---	---
Machine Hours	939	476	---	---
Oil Hours	939	476	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

#### TIMBER PRODUCTS

11256 E STATE HWY M28  
MUNISING, MI  
US 49862  
Contact: RICH ALDRICH  
raldrich@timberproducts.com  
T: (906)452-7013  
F:



#### OIL CONDITION

Visc @ 100°C	cSt	10.8	11.7	---	---
Base Number (BN)	mg KOH/g	5.8	5.4	---	---
Oxidation (PA)	%	64	178	---	---

#### Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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 suitable for further service.



#### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	68	88	---	---
Sulfation (PA)	%	58	104	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	8	11	---	---
Sodium	ppm	3	3	---	---
Potassium	ppm	22	8	---	---



#### WEAR METALS

Iron	ppm	5	11	---	---
Copper	ppm	136	185	---	---
Lead	ppm	<1	5	---	---
Tin	ppm	<1	2	---	---
Aluminum	ppm	3	2	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	14	42	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	1	---	---
Manganese	ppm	<1	2	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

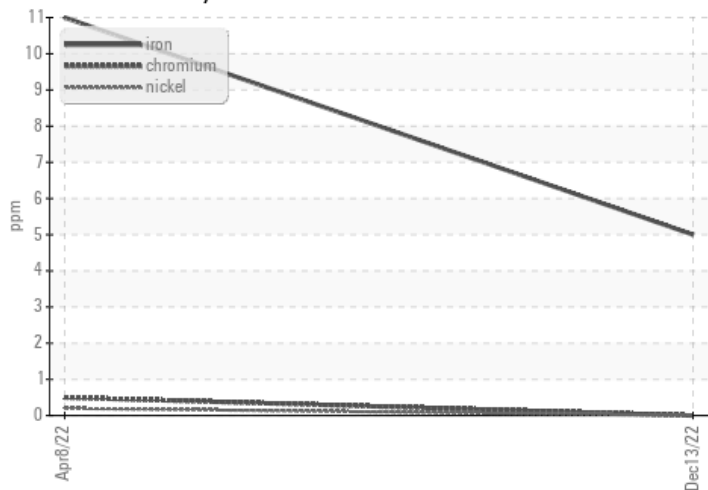
Calcium	ppm	1173	1386	---	---
Magnesium	ppm	590	876	---	---
Zinc	ppm	662	862	---	---
Phosphorus	ppm	655	714	---	---
Barium	ppm	5	31	---	---
Boron	ppm	76	114	---	---

Depot: TIMMUN  
Unique No: 10896470  
Signed: Wes Davis  
Report Date: 26 Feb 2024

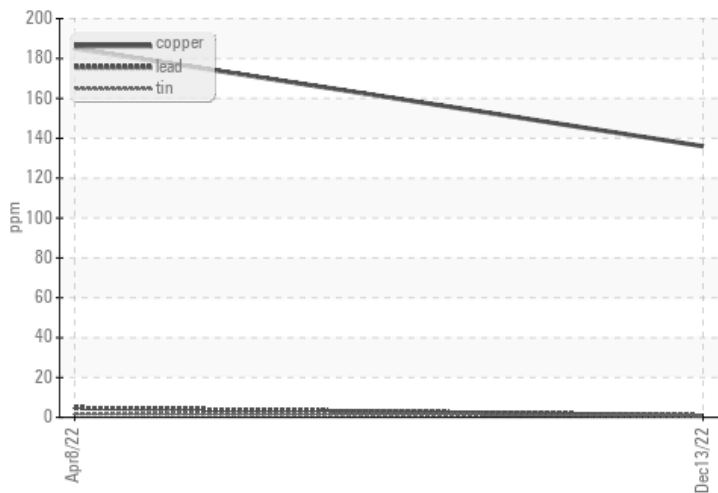


### GRAPHS

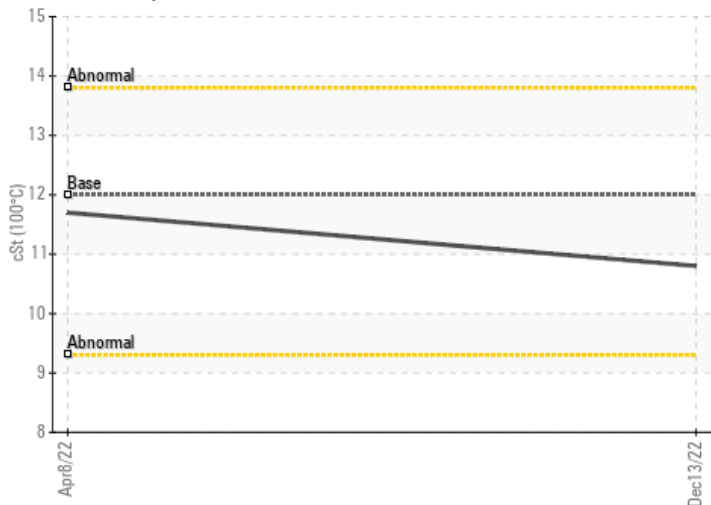
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

