

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L566 047423-1484 - Diesel Engine

Sample No: LH0258529

Oil Type: DIESEL ENGINE OIL SAE 5W40



#### Sample Information

Sample Number	LH0258529	LH0217297	LHMC123472	---
Sample Date	21 Mar 2024	10 Jun 2022	07 Jun 2019	---
Machine Hours	5285	4856	1727	---
Oil Hours	500	500	500	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

**OZINGA BROS INC**  
 1220 S LANE ST  
 MONTGOMERY, IL  
 US 60538  
 Contact: Service Manager



#### Oil Condition

Visc @ 100°C	cSt	13.2	13.0	11.8	---
Base Number (BN)	mg KOH/g	7.1	7.2	---	---
Oxidation (PA)	%	62	58	80	---

T:  
F:



#### Contamination

Water	%	NEG	NEG	NEG	---
Soot %	%	0.1	0.1	0.1	---
Nitration (PA)	%	70	73	83	---
Sulfation (PA)	%	54	54	61	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	7	5	7	---
Sodium	ppm	3	2	1	---
Potassium	ppm	3	<1	2	---

#### Diagnosis

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. 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.



#### Wear Metals

Iron	ppm	3	2	7	---
Copper	ppm	52	91	13	---
Lead	ppm	0	1	2	---
Tin	ppm	<1	<1	2	---
Aluminum	ppm	2	<1	1	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	40	29	0	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	<1	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	<1	0	0	---



#### Additives

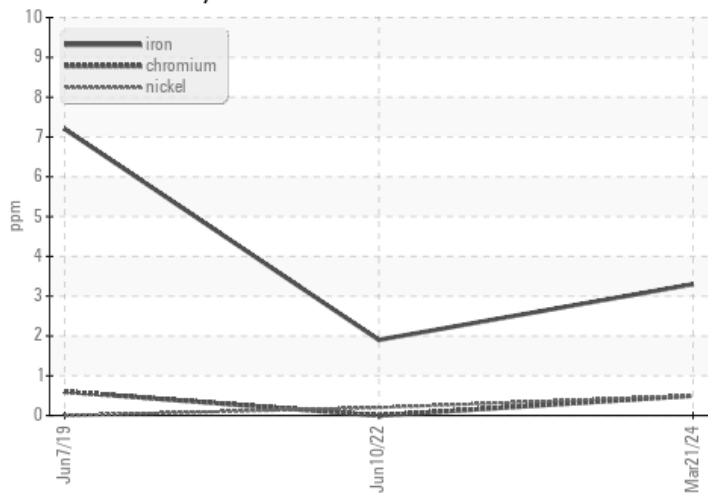
Calcium	ppm	1211	1299	2411	---
Magnesium	ppm	682	577	27	---
Zinc	ppm	914	821	733	---
Phosphorus	ppm	726	667	620	---
Barium	ppm	<1	0	0	---
Boron	ppm	111	139	6	---

**Depot:** OZIMON  
**Unique No:** 10992034  
**Signed:** Wes Davis  
**Report Date:** 23 Apr 2024

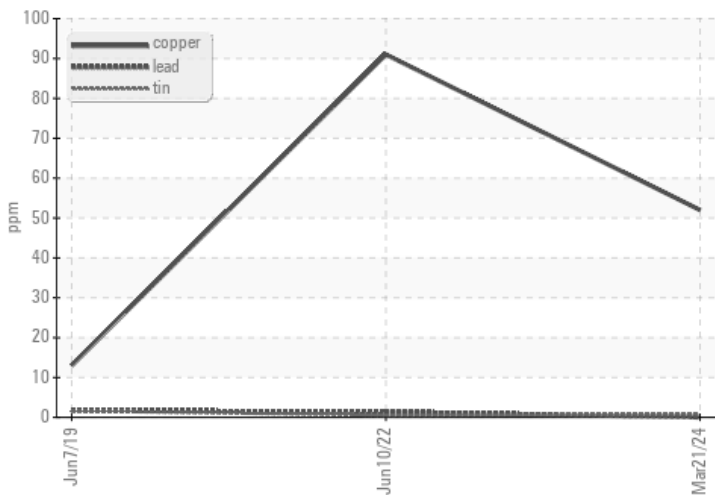


### Graphs

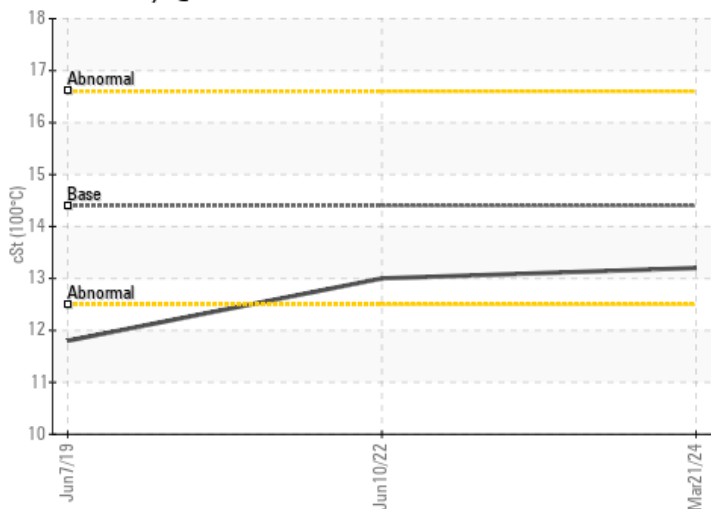
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

