

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60M 1217-117421 - Main Engine

Sample No: LH0264520

Oil Type: LIEBHERR MOTOROIL 5W30



#### LIEBHERR EQUIPMENT SOURCE

8200 FAYETTEVILLE ROAD  
RALEIGH, NC  
US 27603

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#### Sample Information

Sample Number	LH0264520	---	---	---
Sample Date	19 Jun 2024	---	---	---
Machine Hours	6480	---	---	---
Oil Hours	6480	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



#### Oil Condition

Visc @ 100°C	cSt	11.8	---	---	---
Base Number (BN)	mg KOH/g	5.0	---	---	---
Oxidation (PA)	%	105	---	---	---



#### Contamination

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	115	---	---	---
Sulfation (PA)	%	68	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	3	---	---	---



#### Wear Metals

Iron	ppm	7	---	---	---
Copper	ppm	1	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	12	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



#### Additives

Calcium	ppm	1405	---	---	---
Magnesium	ppm	813	---	---	---
Zinc	ppm	990	---	---	---
Phosphorus	ppm	853	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	24	---	---	---

#### 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: LIEBHERRNC

Unique No: 11096120

Signed: Don Baldrige

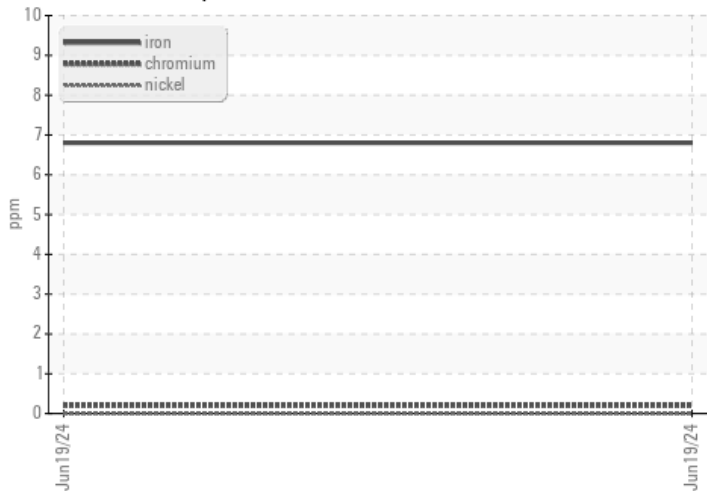
Report Date: 25 Jun 2024

Submitted By: SHERWOOD LUCAS

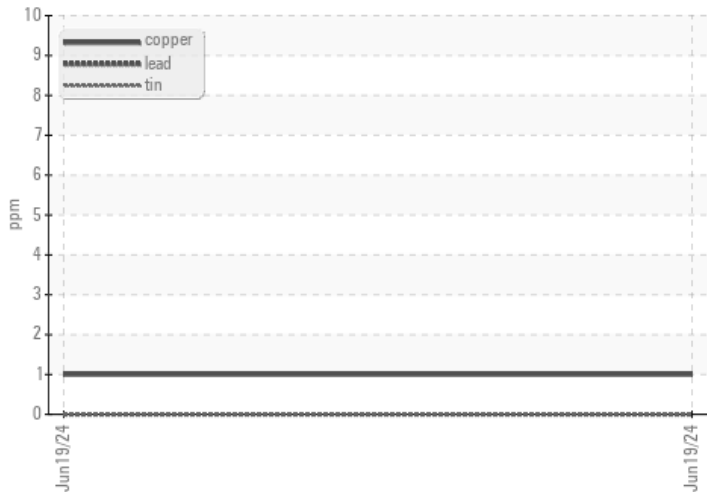


### Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

