

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LTM1130-5.1066718-2-Left Wheel Hub

Sample No: LH0259047

Oil Type: EP 90



#### SAMPLE INFORMATION

Sample Number	LH0259047	---	---	---
Sample Date	14 Feb 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

LIEBHERR USA CO - MOBILE AND CRAWLER CRANES  
 4100 CHESTNUT AVENUE  
 NEWPORT NEWS, VA  
 US 23607  
 Contact: TERENCE VANDERLENDE  
 TERENCE.VANDERLENDE@LIEBHERR.COM  
 T:  
 F:



#### OIL CONDITION

Visc @ 40°C	cSt	● 91.7	---	---	---
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#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 11	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● 3	---	---	---



#### WEAR METALS

Iron	ppm	● 791	---	---	---
Copper	ppm	● 64	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 3	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	● 1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	6	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	43	---	---	---
Magnesium	ppm	6	---	---	---
Zinc	ppm	40	---	---	---
Phosphorus	ppm	1134	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	130	---	---	---

#### Diagnosis

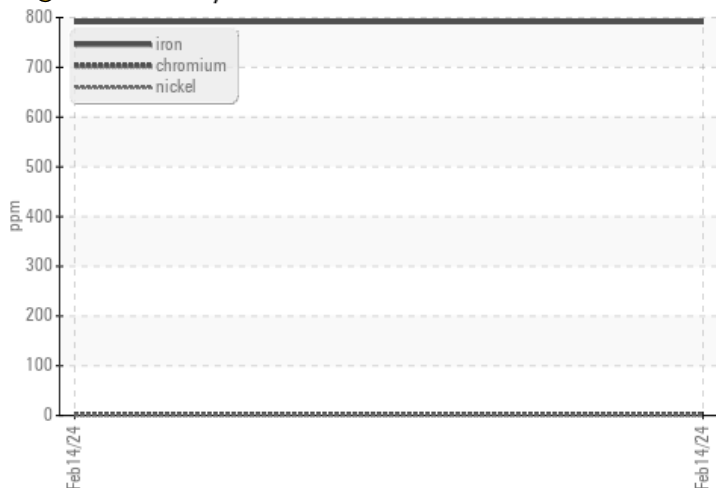
Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIENEW  
 Unique No: 10886605  
 Signed: Sean Felton  
 Report Date: 21 Feb 2024

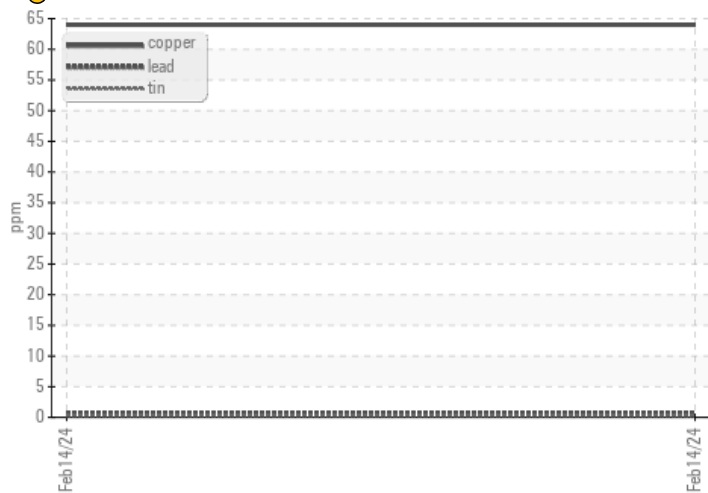


### GRAPHS

#### ● Ferrous Alloys



#### ● Non-ferrous Metals



#### Viscosity @ 40°C

