

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH40M 087885-1202 - Rear Right Wheel Hub

Sample No: LH0258380

Oil Type: GEAR OIL SAE 80W90



#### Sample Information

Sample Number	LH0258380	LHMC155050	---	---
Sample Date	28 Apr 2024	21 Nov 2019	---	---
Machine Hours	15270	0	---	---
Oil Hours	0	1000	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

#### HEAVY MACHINES INC

7651 THEODORE DAWES RD

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#### Oil Condition

Visc @ 40°C	cSt	● 130	● 140	---	---
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#### Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	● 7	● 4	---	---
Sodium	ppm	● 14	● 8	---	---
Potassium	ppm	● 2	● 2	---	---



#### Wear Metals

Iron	ppm	● 481	● 66	---	---
Copper	ppm	● 186	● 34	---	---
Lead	ppm	● <1	● 0	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 5	● <1	---	---
Chromium	ppm	● 2	● <1	---	---
Molybdenum	ppm	● <1	2	---	---
Nickel	ppm	● <1	● 0	---	---
Titanium	ppm	● 0	● 0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 10	1	---	---
Vanadium	ppm	● <1	0	---	---



#### Additives

Calcium	ppm	● 34	61	---	---
Magnesium	ppm	● 3	3	---	---
Zinc	ppm	● 122	39	---	---
Phosphorus	ppm	● 1530	1063	---	---
Barium	ppm	● <1	0	---	---
Boron	ppm	● 166	101	---	---

#### Diagnosis

The oil 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 bushing wear is indicated. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: HEATHE

Unique No: 11008437

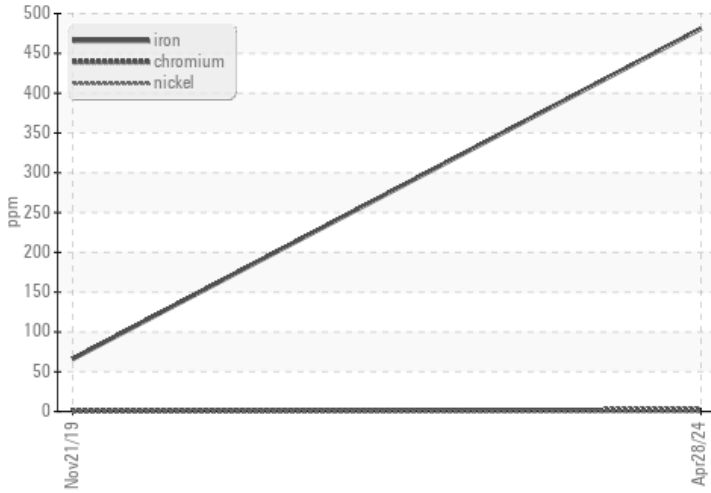
Signed: Don Baldrige

Report Date: 07 May 2024

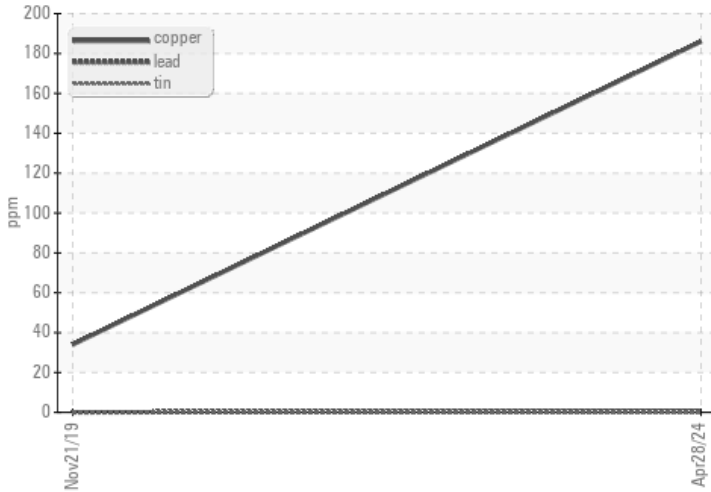


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

