

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH40M 122207-1215 - Front Left Wheel Hub

Sample No: LH0273217

Oil Type: GEAR OIL SAE 80W90



**RECO EQUIPMENT INC.**  
 1040 REED DRIVE  
 MONROE, OH  
 US 45050  
 Contact: Eric Hansen  
 ehansen@recoequip.com  
 T: (513)539-5255  
 F: (513)539-5256



#### SAMPLE INFORMATION

Sample Number	LH0273217	LH0244666	---	---
Sample Date	08 Jan 2024	17 May 2023	---	---
Machine Hours	3977	2962	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 186	● 186	---	---
-------------	-----	-------	-------	-----	-----



#### CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	● 4	● 4	---	---
Sodium	ppm	● 21	● 19	---	---
Potassium	ppm	● 2	● 2	---	---



#### WEAR METALS

Iron	ppm	● 50	● 47	---	---
Copper	ppm	● 76	● 49	---	---
Lead	ppm	● <1	● 0	---	---
Tin	ppm	● <1	● 0	---	---
Aluminum	ppm	● 2	● <1	---	---
Chromium	ppm	● <1	● 0	---	---
Molybdenum	ppm	● <1	<1	---	---
Nickel	ppm	● 0	● 0	---	---
Titanium	ppm	● <1	● <1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 4	3	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	● 32	40	---	---
Magnesium	ppm	● 0	1	---	---
Zinc	ppm	● 57	58	---	---
Phosphorus	ppm	● 2283	2484	---	---
Barium	ppm	● 0	0	---	---
Boron	ppm	● 1	0	---	---

#### Diagnosis

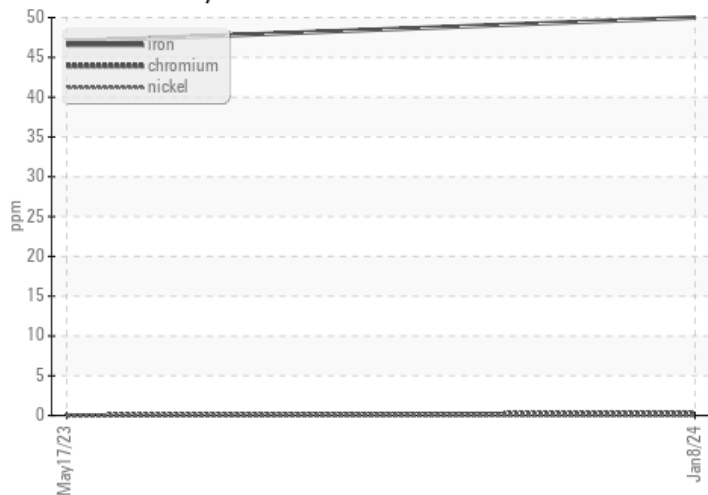
No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** LEC0075  
**Unique No:** 10832933  
**Signed:** Don Baldrige  
**Report Date:** 17 Jan 2024

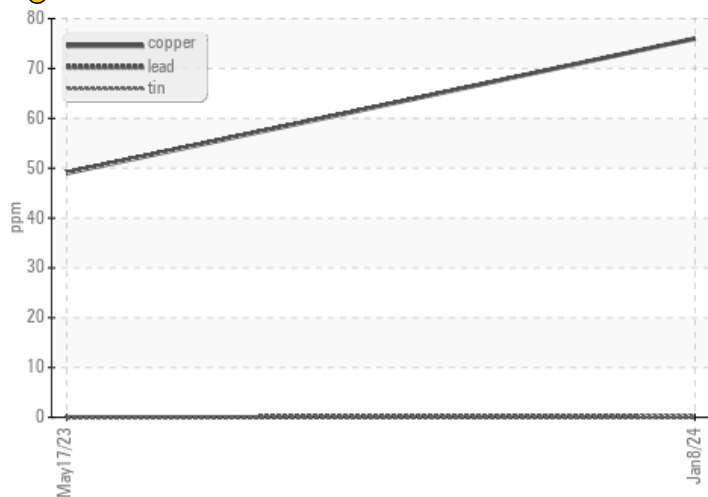


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

