

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 1216-110224 - Front Right Wheel Hub

Sample No: LHMC163880

Oil Type: GEAR OIL SAE 75W90



**AHLSTROM-MUNKSJO NA SPECIALTY**  
 PO BOX 600  
 KAUKAUNA, WI  
 US 54130  
 Contact: JOE SEITZ  
 joe.seitz@ahlstrom-munksjo.com  
 T:  
 F:



#### SAMPLE INFORMATION

Sample Number	LHMC163880	LHMC163752	---	---
Sample Date	02 Feb 2024	02 Nov 2022	---	---
Machine Hours	9264	7069	---	---
Oil Hours	1009	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 143	● 146	---	---
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#### CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	● 46	● 36	---	---
Sodium	ppm	● 10	● 12	---	---
Potassium	ppm	● 3	● 2	---	---



#### WEAR METALS

Iron	ppm	● 508	● 324	---	---
Copper	ppm	● 39	● 34	---	---
Lead	ppm	● 1	● 0	---	---
Tin	ppm	● <1	● <1	---	---
Aluminum	ppm	● 2	● 5	---	---
Chromium	ppm	● 2	● 1	---	---
Molybdenum	ppm	● 2	● 1	---	---
Nickel	ppm	● 1	● <1	---	---
Titanium	ppm	● 1	<1	---	---
Silver	ppm	● <1	● 0	---	---
Manganese	ppm	● 6	● 4	---	---
Vanadium	ppm	<1	0	---	---



#### ADDITIVES

Calcium	ppm	● 169	● 190	---	---
Magnesium	ppm	● 3	● 3	---	---
Zinc	ppm	● 73	● 72	---	---
Phosphorus	ppm	● 1861	● 2055	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	● 4	● 4	---	---

#### Diagnosis

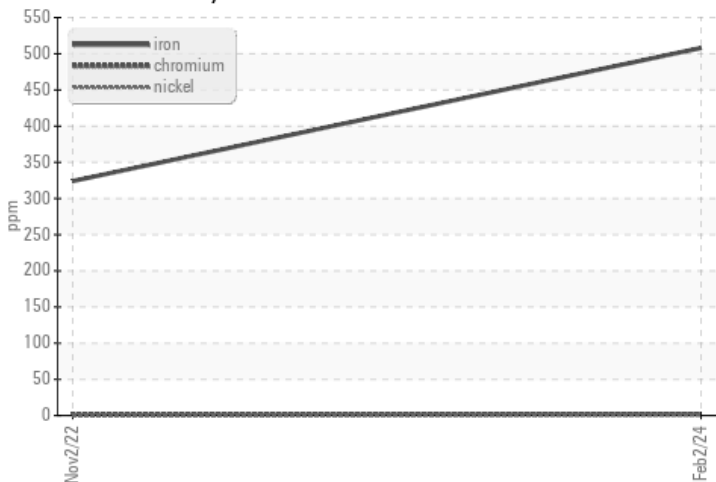
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: AHLKAU  
 Unique No: 10884194  
 Signed: Wes Davis  
 Report Date: 19 Feb 2024

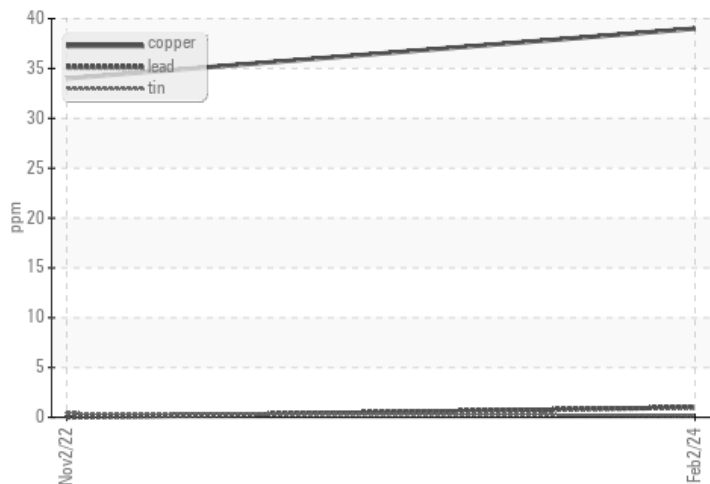


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

