

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 1216-110224 - Front Differential

Sample No: LHMC162652

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	LHMC162652	LHMC163406	LHMC163737	---
Sample Date	02 Feb 2024	20 Jul 2023	02 Nov 2022	---
Machine Hours	9264	8255	7069	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Not Changd	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---



#### OIL CONDITION

Visc @ 40°C	cSt	186	185	185	---
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	7	6	14	---
Sodium	ppm	0	3	4	---
Potassium	ppm	<1	0	<1	---



#### WEAR METALS

Iron	ppm	30	28	26	---
Copper	ppm	30	29	26	---
Lead	ppm	<1	0	1	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	1	<1	1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	0	<1	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	2	2	1	---
Vanadium	ppm	<1	0	0	---



#### ADDITIVES

Calcium	ppm	6	7	31	---
Magnesium	ppm	<1	0	0	---
Zinc	ppm	15	14	27	---
Phosphorus	ppm	1123	1255	1214	---
Barium	ppm	371	407	392	---
Boron	ppm	<1	3	1	---

#### Diagnosis

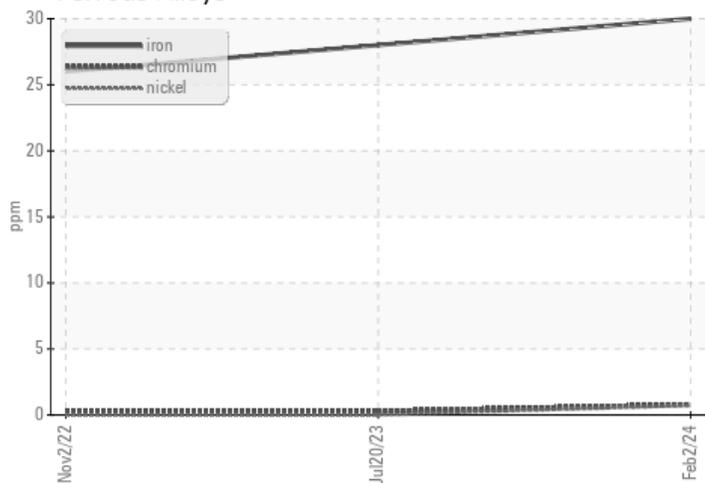
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: AHLKAU  
 Unique No: 10884195  
 Signed: Don Baldrige  
 Report Date: 19 Feb 2024

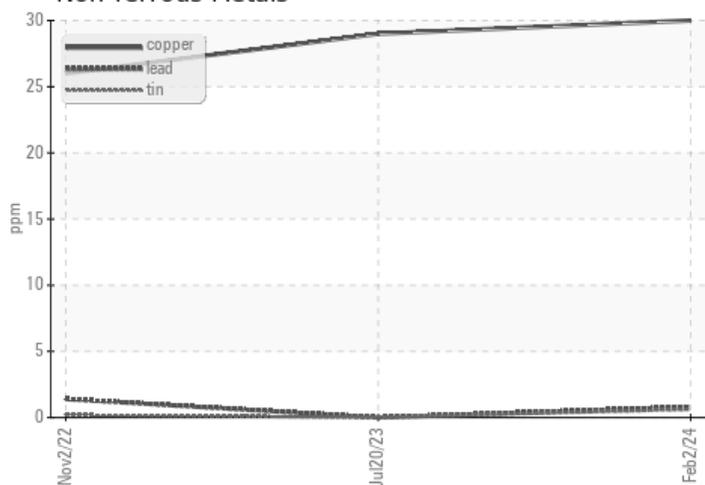


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

