

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60M 120561-1217 - Rear Differential

Sample No: LH0253864

Oil Type: GEAR OIL SAE 80W90



**AMERICAN STATE EQUIPMENT CO.**  
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#### SAMPLE INFORMATION

Sample Number	LH0253864	LH0220658	LH0199948	---
Sample Date	08 Sep 2023	22 Nov 2022	11 Feb 2022	---
Machine Hours	3762	1973	983	---
Oil Hours	0	1000	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



#### OIL CONDITION

Visc @ 40°C	cSt	168	185	186	---
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#### CONTAMINATION

Silicon	ppm	4	4	3	---
Sodium	ppm	4	4	4	---
Potassium	ppm	0	0	<1	---



#### WEAR METALS

Iron	ppm	67	39	42	---
Copper	ppm	26	16	12	---
Lead	ppm	0	0	<1	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	2	<1	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	0	<1	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	2	1	1	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	17	4	9	---
Magnesium	ppm	3	<1	1	---
Zinc	ppm	19	4	11	---
Phosphorus	ppm	1077	980	1214	---
Barium	ppm	267	323	372	---
Boron	ppm	1	4	3	---

#### Diagnosis

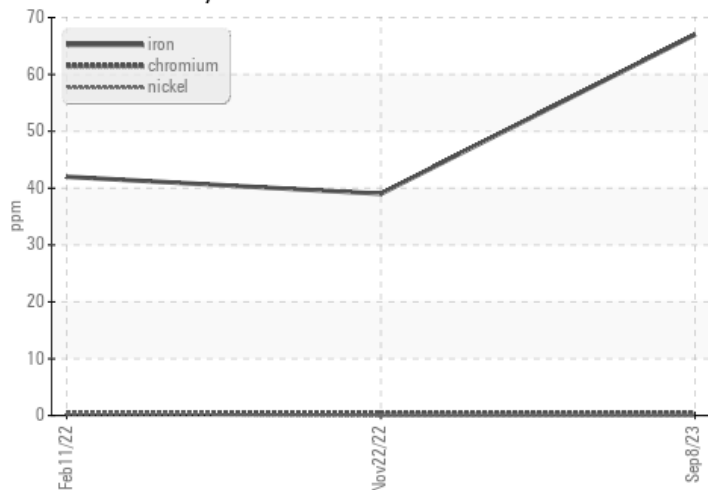
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008  
 Unique No: 10670876  
 Signed: Don Baldrige  
 Report Date: 01 Oct 2023

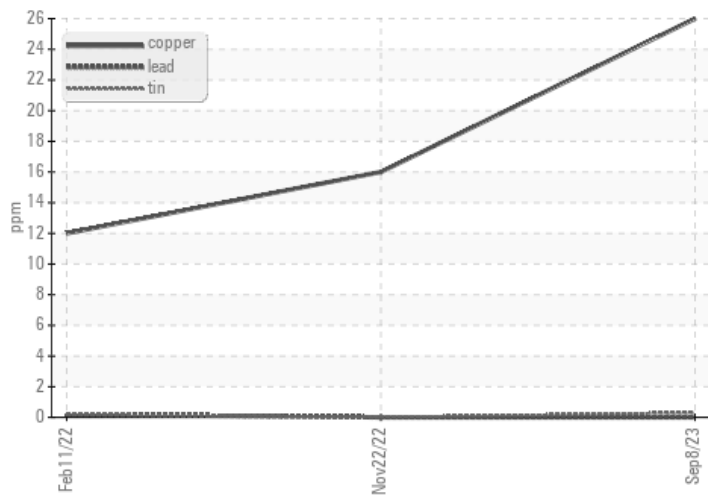


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

