

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60M 120561-1217 - Front Differential

Sample No: LH0253861

Oil Type: GEAR OIL SAE 80W90



**AMERICAN STATE EQUIPMENT CO.**  
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 US 54401  
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#### SAMPLE INFORMATION

Sample Number	LH0253861	LH0220676	---	---
Sample Date	08 Sep 2023	22 Nov 2022	---	---
Machine Hours	3762	1973	---	---
Oil Hours	0	1000	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	171	184	---	---
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#### CONTAMINATION

Silicon	ppm	2	3	---	---
Sodium	ppm	4	4	---	---
Potassium	ppm	0	0	---	---



#### WEAR METALS

Iron	ppm	18	13	---	---
Copper	ppm	16	15	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	0	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	19	11	---	---
Magnesium	ppm	2	<1	---	---
Zinc	ppm	10	<1	---	---
Phosphorus	ppm	1094	1096	---	---
Barium	ppm	283	365	---	---
Boron	ppm	0	2	---	---

#### Diagnosis

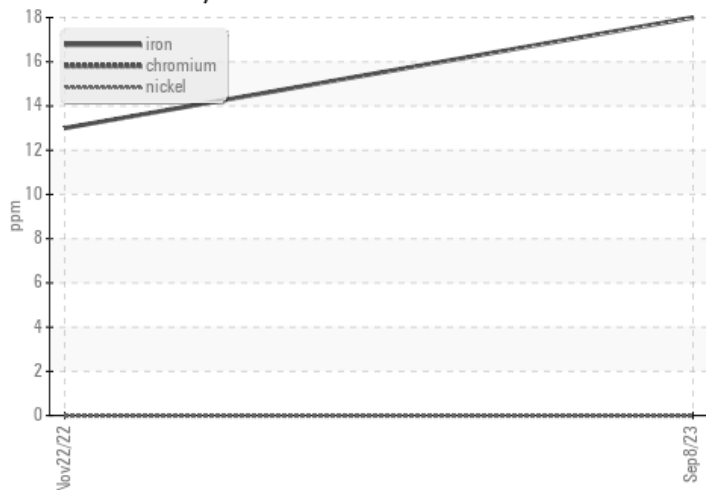
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008  
 Unique No: 10670880  
 Signed: Don Baldrige  
 Report Date: 01 Oct 2023

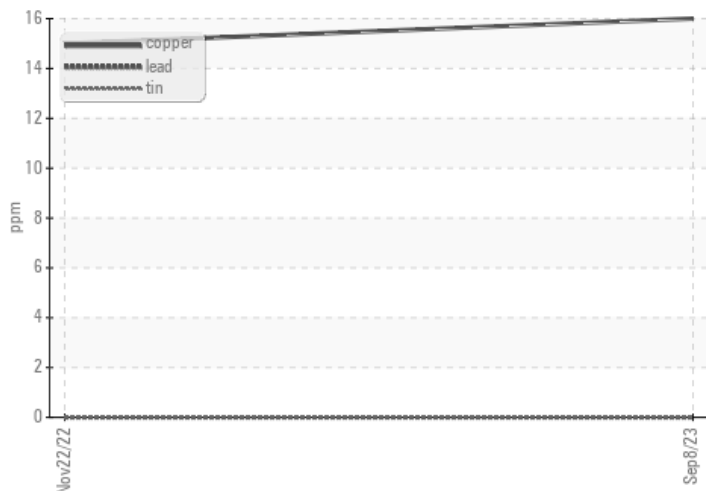


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

