

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60M 121879-1217 - Front Differential

Sample No: LH0273593

Oil Type: LIEBHERR GEAR BASIC 90 LS



**LIEBHERR EQUIPMENT SOURCE**  
 4100 CHESTNUT AVENUE  
 NEWPORT NEWS, VA  
 US 23607  
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 F: (757)298-8700



#### Sample Information

Sample Number	LH0273593	LH0268863	---	---
Sample Date	12 Apr 2024	27 Feb 2024	---	---
Machine Hours	7725	7442	---	---
Oil Hours	7725	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---



#### Oil Condition

Visc @ 40°C	cSt	● 185	● 185	---	---
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#### Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	● 2	● 4	---	---
Sodium	ppm	● 1	● 6	---	---
Potassium	ppm	● <1	● 1	---	---



#### Wear Metals

Iron	ppm	● 5	● 29	---	---
Copper	ppm	● 12	● 134	---	---
Lead	ppm	● <1	● <1	---	---
Tin	ppm	● <1	● <1	---	---
Aluminum	ppm	● 2	● 1	---	---
Chromium	ppm	● <1	● 0	---	---
Molybdenum	ppm	● <1	● 0	---	---
Nickel	ppm	● <1	● <1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● <1	● 2	---	---
Vanadium	ppm	<1	0	---	---



#### Additives

Calcium	ppm	● 12	● 14	---	---
Magnesium	ppm	● 4	● 2	---	---
Zinc	ppm	● 11	● 87	---	---
Phosphorus	ppm	● 2198	● 1213	---	---
Barium	ppm	● 27	● 339	---	---
Boron	ppm	● 6	● 0	---	---

#### Diagnosis

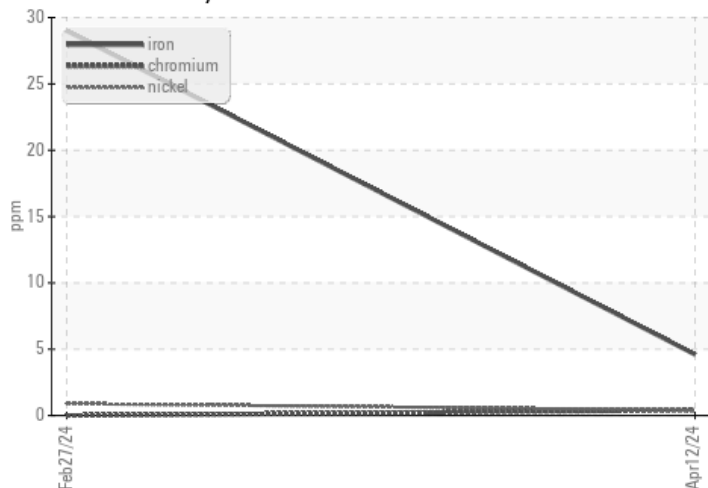
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEBHERRUS  
 Unique No: 10994013  
 Signed: Wes Davis  
 Report Date: 25 Apr 2024

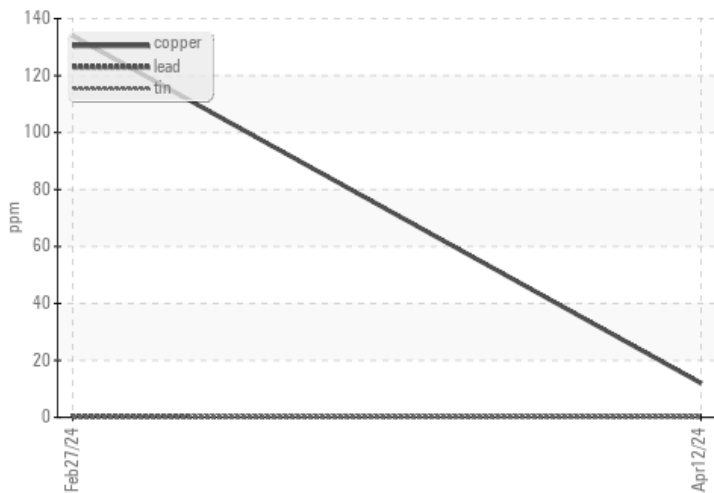


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

