

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH40M 1215-149851 - Front Differential

Sample No: LH0273630

Oil Type: LIEBHERR GEAR BASIC 90 LS



**STAINLESS STEEL MIDWEST**  
 2615 KY-146  
 LAGRANGE, KY  
 US 40031  
 Contact: Service Manager



#### Sample Information

Sample Number	LH0273630	---	---	---
Sample Date	14 May 2024	---	---	---
Machine Hours	549	---	---	---
Oil Hours	549	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



#### Oil Condition

Visc @ 40°C	cSt	● 139	---	---	---
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T:  
F:



#### Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 4	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● 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.



#### Wear Metals

Iron	ppm	● 8	---	---	---
Copper	ppm	● 17	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



#### Additives

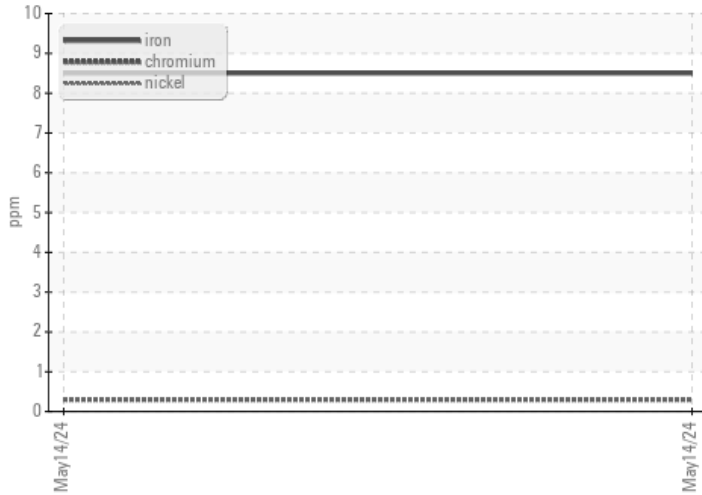
Calcium	ppm	● 4	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 18	---	---	---
Phosphorus	ppm	● 1751	---	---	---
Barium	ppm	● 6	---	---	---
Boron	ppm	● 158	---	---	---

**Depot:** STALAGKY  
**Unique No:** 11088009  
**Signed:** Sean Felton  
**Report Date:** 21 Jun 2024

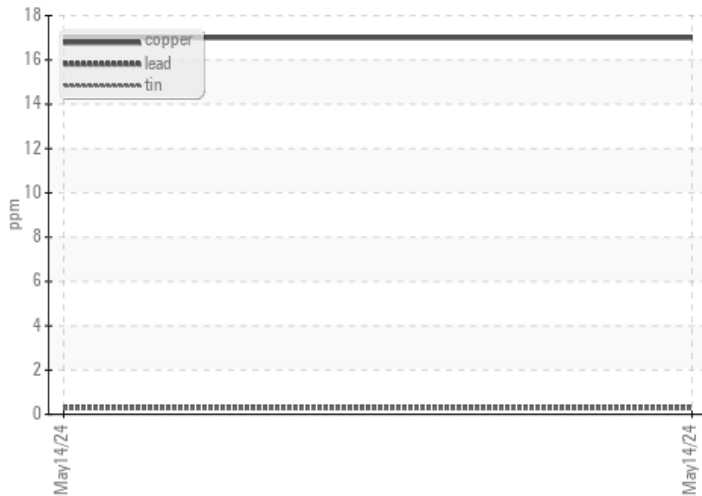


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

