

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [[CLEVELAND CLIFF]] LIEBHERR LH40M 137 231 - Rear Differential

Sample No: LH0268828

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0268828	---	---	---
Sample Date	22 Jan 2024	---	---	---
Machine Hours	3350	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**UNITED SCRAP**  
 1545 S CICERO AVE  
 BURR RIDGE, IL  
 US 60527  
 Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	● 139	---	---	---
-------------	-----	-------	-----	-----	-----

T:  
F:



#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● <1	---	---	---
Sodium	ppm	● <1	---	---	---
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	● 2	---	---	---
Copper	ppm	● 3	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

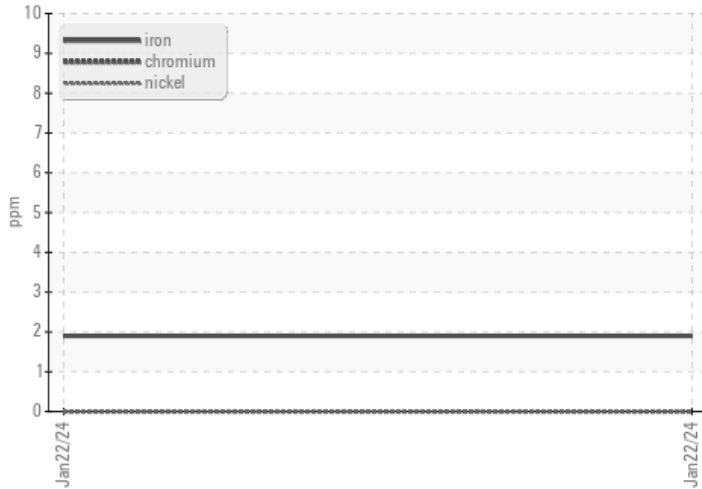
Calcium	ppm	● 8	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 2	---	---	---
Phosphorus	ppm	● 662	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 32	---	---	---

**Depot:** UNIBURIL  
**Unique No:** 10884176  
**Signed:** Sean Felton  
**Report Date:** 19 Feb 2024

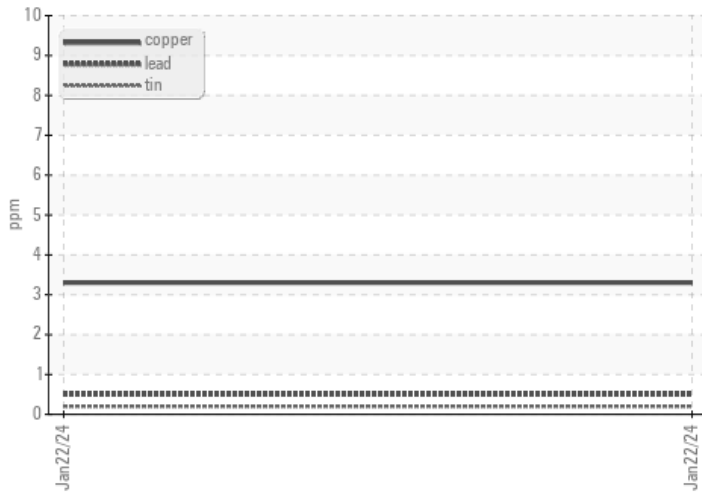


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

