

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R945 57224 - Right Final Drive

Sample No: LH0268315

Oil Type: LIEBHERR GEAR BASIC 90 LS



**M&F CONCRETE PRODUCTS CO**  
 4002 CATLETT RD  
 CATLETT, VA  
 US 20119  
 Contact: Service Manager



#### SAMPLE INFORMATION

Sample Number	LH0268315	---	---	---
Sample Date	03 Mar 2024	---	---	---
Machine Hours	522	---	---	---
Oil Hours	522	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 195	---	---	---
-------------	-----	-------	-----	-----	-----

T:  
F:



#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 3	---	---	---
Sodium	ppm	● 4	---	---	---
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	● 103	---	---	---
Copper	ppm	● 0	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

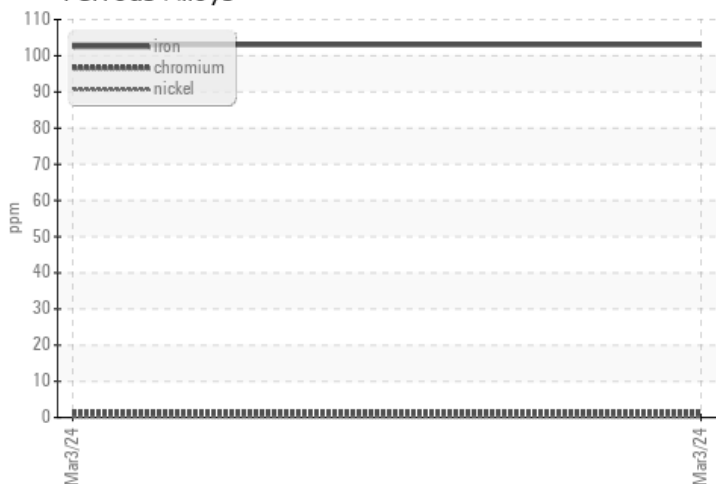
Calcium	ppm	● 20	---	---	---
Magnesium	ppm	● <1	---	---	---
Zinc	ppm	● 13	---	---	---
Phosphorus	ppm	● 1225	---	---	---
Barium	ppm	● 12	---	---	---
Boron	ppm	● 0	---	---	---

**Depot:** MECCAT  
**Unique No:** 10940062  
**Signed:** Angela Borella  
**Report Date:** 25 Mar 2024

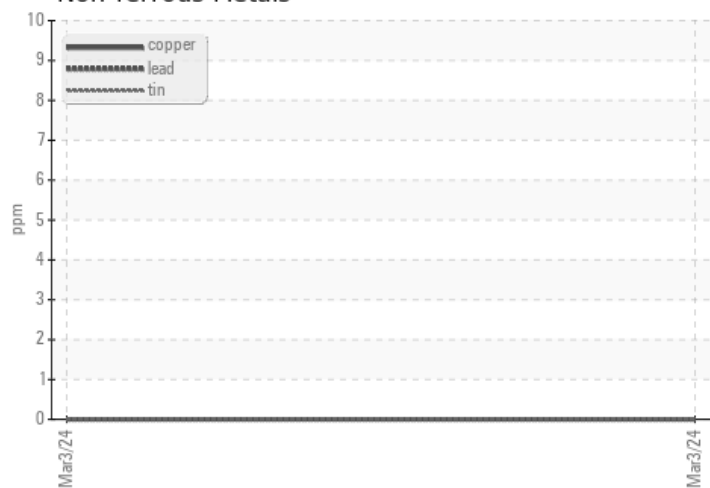


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

