

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L580 72144 - Front Axle

Sample No: LH0267355

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0267355	---	---	---
Sample Date	04 Aug 2023	---	---	---
Machine Hours	867	---	---	---
Oil Hours	867	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**SIMS METAL MANAGEMENT**  
 3220 DEEPWATER TERMINAL RD  
 RICHMOND, VA  
 US 23234  
 Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	● 196	---	---	---
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T: (703)392-0111  
 F:



#### CONTAMINATION

Silicon	ppm	● 20	---	---	---
Sodium	ppm	● 5	---	---	---
Potassium	ppm	● 2	---	---	---

#### Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other metal levels are typical for a new component breaking in. 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	● 174	---	---	---
Copper	ppm	● 123	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 7	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● 1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	30	---	---	---
Vanadium	ppm	<1	---	---	---



#### ADDITIVES

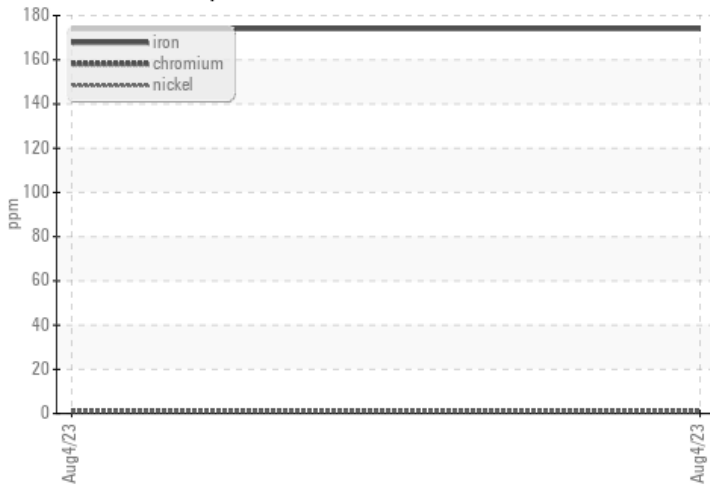
Calcium	ppm	● 10	---	---	---
Magnesium	ppm	● 3	---	---	---
Zinc	ppm	● 40	---	---	---
Phosphorus	ppm	● 2378	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 0	---	---	---

**Depot:** SIMRCLH  
**Unique No:** 10615830  
**Signed:** Don Baldrige  
**Report Date:** 23 Aug 2023

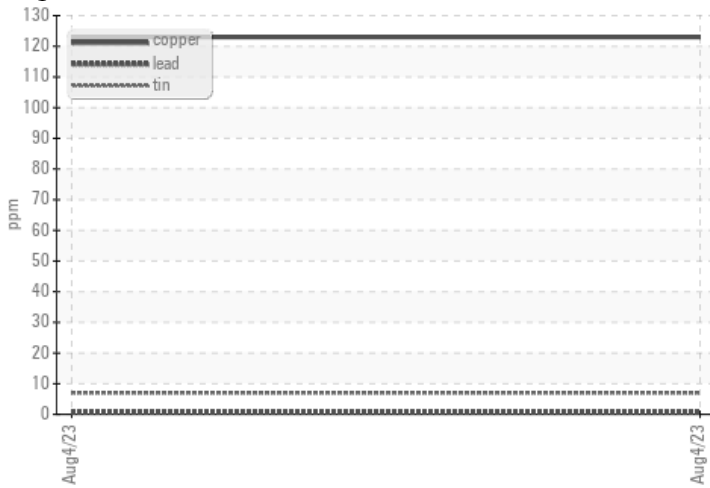


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

