

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 145582-1216 - Rear Right Wheel Hub

Sample No: LH0268528

Oil Type: LIEBHERR GEAR BASIC 90 LS



**RECO EQUIPMENT INC**  
 10461 GRAND RIVER RD  
 BRIGHTON, MI  
 US 48116  
 Contact: MATT VISEL  
 MVISEL@RECOEQUIP.COM  
 T: (810)299-1731  
 F:



#### SAMPLE INFORMATION

Sample Number	<b>LH0268528</b>	LH0243266	LH0243206	---
Sample Date	<b>14 Sep 2023</b>	15 Jun 2023	15 Mar 2023	---
Machine Hours	<b>1633</b>	1005	461	---
Oil Hours	<b>1633</b>	0	461	---
Oil Changed	<b>Not Changd</b>	Not Changd	Not Changd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 155	● 158	● 153	---
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#### CONTAMINATION

Silicon	ppm	● 7	● 7	● 8	---
Sodium	ppm	● 1	● 2	● 3	---
Potassium	ppm	● 2	● 3	● 0	---



#### WEAR METALS

Iron	ppm	● 23	● 20	● 19	---
Copper	ppm	● 17	● 10	● 5	---
Lead	ppm	● 0	● 1	● 0	---
Tin	ppm	● 0	● <1	● 0	---
Aluminum	ppm	● <1	● 2	● 0	---
Chromium	ppm	● <1	● <1	● <1	---
Molybdenum	ppm	● 4	● 4	● 4	---
Nickel	ppm	● 0	● <1	● 0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	● <1	● 1	● 2	---
Vanadium	ppm	0	0	<1	---



#### ADDITIVES

Calcium	ppm	● 167	● 181	● 184	---
Magnesium	ppm	● <1	● 6	● 3	---
Zinc	ppm	34	31	● 21	---
Phosphorus	ppm	● 1450	● 1536	● 1411	---
Barium	ppm	● 0	● <1	● 0	---
Boron	ppm	● 5	● 5	● 7	---

#### Diagnosis

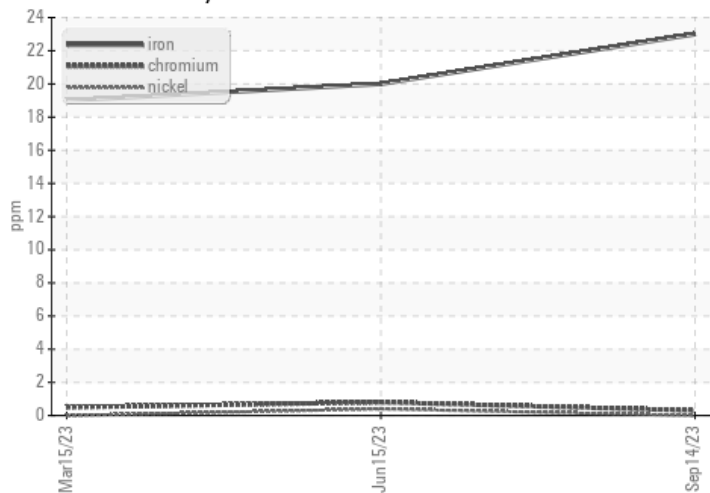
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** RECBRILH  
**Unique No:** 10669691  
**Signed:** Don Baldrige  
**Report Date:** 29 Sep 2023

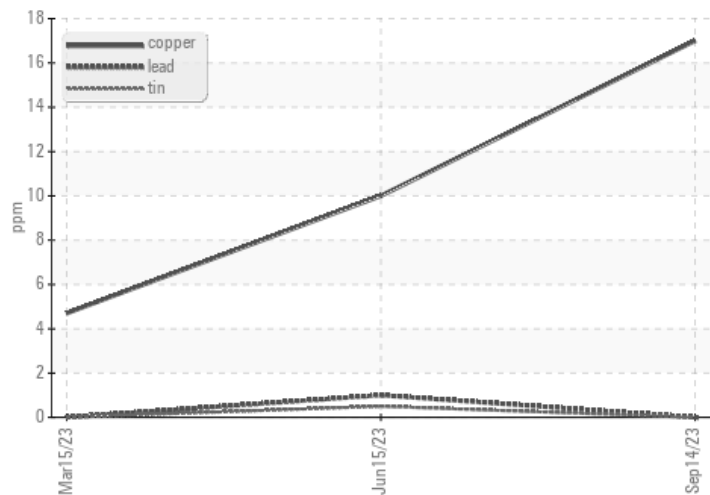


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

