

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR PR766 027905-1681 - Right Final Drive

Sample No: LH0254461

Oil Type: GEAR OIL SAE 80W140



**HEAVY MACHINES INC.**  
 3930 EAST RAINES RD  
 MEMPHIS, TN  
 US 38118  
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 F: (901)260-2245



#### SAMPLE INFORMATION

Sample Number	LH0254461	---	---	---
Sample Date	13 Feb 2024	---	---	---
Machine Hours	346	---	---	---
Oil Hours	346	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 293	---	---	---
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#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 11	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● 0	---	---	---



#### WEAR METALS

Iron	ppm	● 43	---	---	---
Copper	ppm	● 58	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 2	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 1	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	● 22	---	---	---
Magnesium	ppm	● 0	---	---	---
Zinc	ppm	● 5	---	---	---
Phosphorus	ppm	● 1179	---	---	---
Barium	ppm	● 88	---	---	---
Boron	ppm	● 3	---	---	---

#### Diagnosis

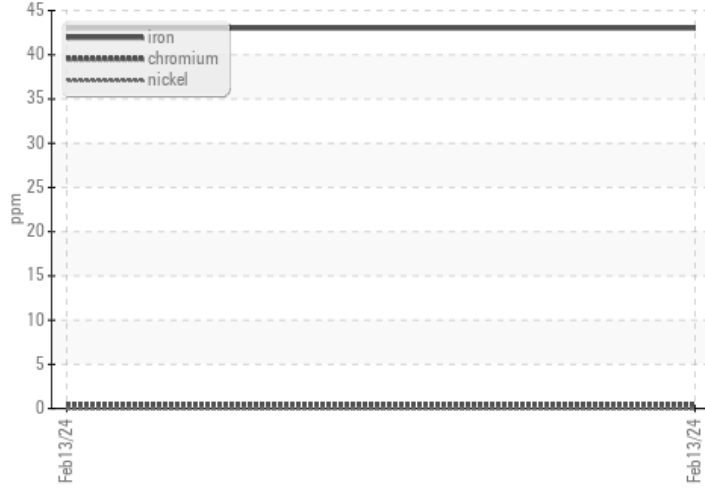
No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0051  
 Unique No: 10888034  
 Signed: Sean Felton  
 Report Date: 22 Feb 2024

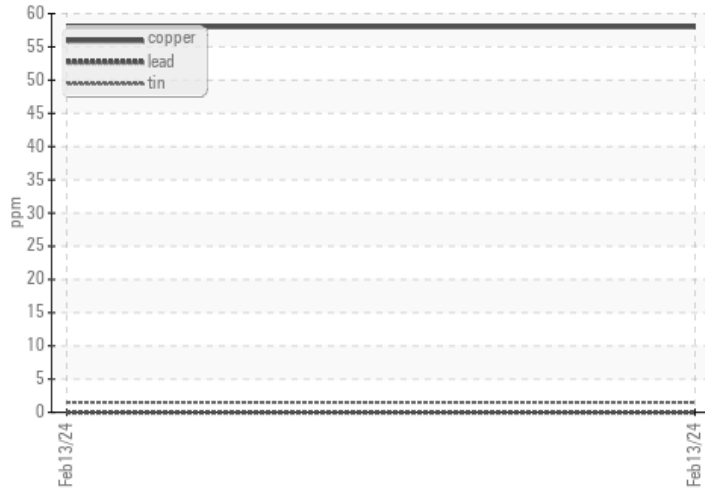


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

