

# LIEBHERR

## CONSTRUCTION EQUIPMENT



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

Sample No: LH0254465

Oil Type: GEAR OIL SAE 80W140



#### SAMPLE INFORMATION

Sample Number	LH0254465	LH0254461	---	---
Sample Date	15 Feb 2024	13 Feb 2024	---	---
Machine Hours	301	346	---	---
Oil Hours	301	346	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	ABNORMAL	---	---

**HEAVY MACHINES INC.**  
 3930 EAST RAINES RD  
 MEMPHIS, TN  
 US 38118  
 Contact: J. DAVIS  
 JDAVIS@HEAVY.LLC.COM  
 T:  
 F: (901)260-2245



#### OIL CONDITION

Visc @ 40°C	cSt	● 272	● 293	---	---
-------------	-----	-------	-------	-----	-----



#### CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	● 12	● 11	---	---
Sodium	ppm	● 4	● 3	---	---
Potassium	ppm	● <1	● 0	---	---

#### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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	● 49	● 43	---	---
Copper	ppm	● 47	● 58	---	---
Lead	ppm	● 1	● 0	---	---
Tin	ppm	● 1	● 2	---	---
Aluminum	ppm	● 2	● 1	---	---
Chromium	ppm	● <1	● <1	---	---
Molybdenum	ppm	● 6	● 1	---	---
Nickel	ppm	● 0	● 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 1	● 1	---	---
Vanadium	ppm	<1	0	---	---



#### ADDITIVES

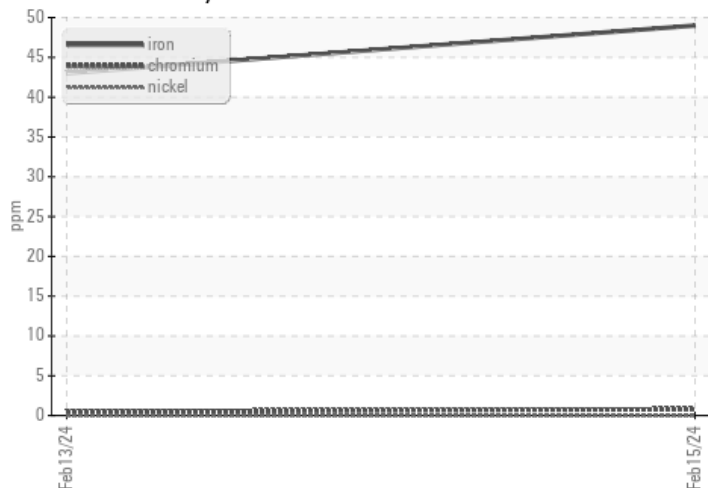
Calcium	ppm	● 138	● 22	---	---
Magnesium	ppm	● 2	● 0	---	---
Zinc	ppm	● 58	● 5	---	---
Phosphorus	ppm	● 1166	● 1179	---	---
Barium	ppm	● 140	● 88	---	---
Boron	ppm	● <1	● 3	---	---

Depot: LEC0051  
 Unique No: 10898755  
 Signed: Wes Davis  
 Report Date: 27 Feb 2024

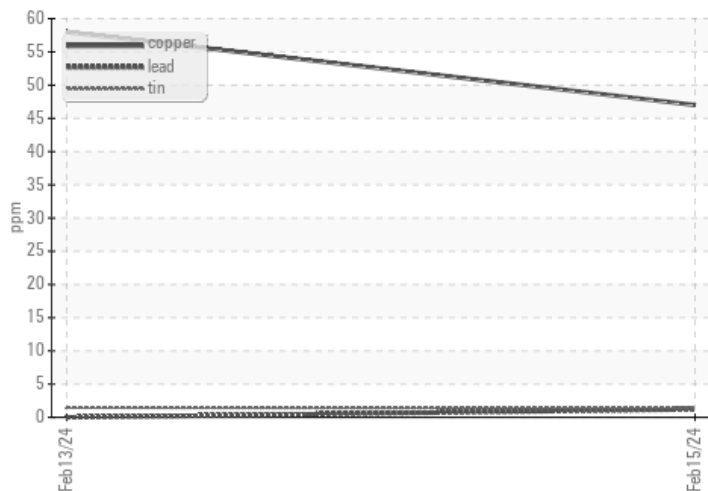


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

