

# LIEBHERR

## CONSTRUCTION EQUIPMENT



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

Sample No: LH0254464

Oil Type: GEAR OIL SAE 80W140



#### SAMPLE INFORMATION

Sample Number	LH0254464	LH0254462	---	---
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	NORMAL	---	---

**HEAVY MACHINES INC.**  
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 MEMPHIS, TN  
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#### OIL CONDITION

Visc @ 40°C	cSt	273	301	---	---
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#### CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	14	13	---	---
Sodium	ppm	4	3	---	---
Potassium	ppm	<1	0	---	---



#### WEAR METALS

Iron	ppm	96	49	---	---
Copper	ppm	54	46	---	---
Lead	ppm	1	0	---	---
Tin	ppm	1	2	---	---
Aluminum	ppm	3	1	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	8	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	1	---	---
Vanadium	ppm	<1	0	---	---



#### ADDITIVES

Calcium	ppm	85	16	---	---
Magnesium	ppm	<1	0	---	---
Zinc	ppm	37	<1	---	---
Phosphorus	ppm	1162	1163	---	---
Barium	ppm	143	80	---	---
Boron	ppm	<1	2	---	---

#### Diagnosis

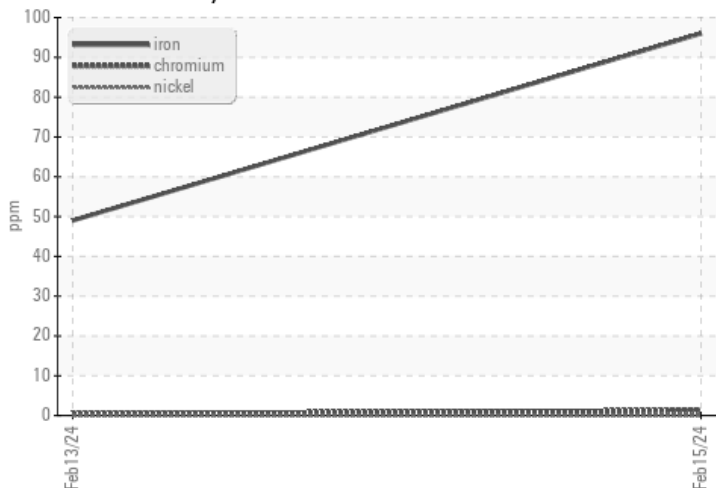
Resample at the next service interval to monitor. Note that there appears to be a discrepancy in the total time on this component, when compared to the historical data. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** LEC0051  
**Unique No:** 10898756  
**Signed:** Don Baldrige  
**Report Date:** 28 Feb 2024

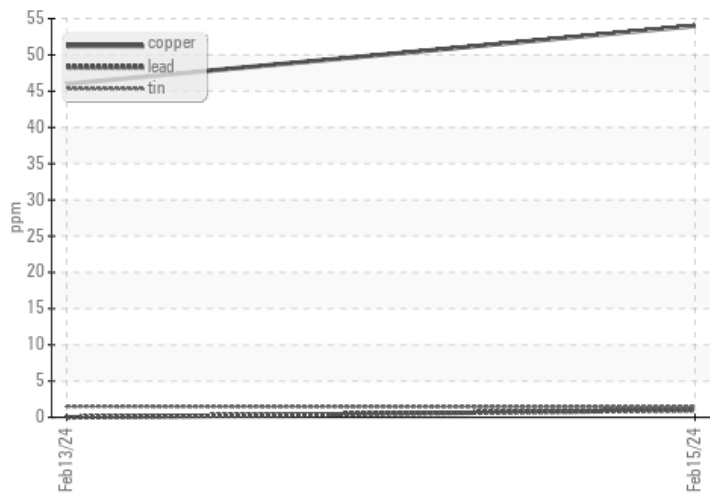


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

