

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LR1250.1 LH35298 - Rear Right Wheel Hub

Sample No: LH0267532

Oil Type: GEAR OIL SAE 80W90



**KINDER MORGAN**  
4301 IVERSON  
TRINITY, AL  
US 35601  
Contact: CHIP OAKES

T: (256)350-0006  
F: (256)355-5250



#### Sample Information

Sample Number	<b>LH0267532</b>	LH0280579	LH0280568	---
Sample Date	<b>18 Apr 2024</b>	23 Feb 2024	30 Jan 2024	---
Machine Hours	<b>1623</b>	995	534	---
Oil Hours	<b>628</b>	0	0	---
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	---
Sample Status	<b>ATTENTION</b>	NORMAL	NORMAL	---



#### Oil Condition

Visc @ 40°C	cSt	<b>98.7</b>	156	156	---
-------------	-----	-------------	-----	-----	-----



#### Contamination

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>6</b>	16	16	---
Sodium	ppm	<b>&lt;1</b>	3	0	---
Potassium	ppm	<b>10</b>	1	2	---



#### Wear Metals

Iron	ppm	<b>40</b>	54	47	---
Copper	ppm	<b>8</b>	16	13	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>0</b>	2	2	---
Chromium	ppm	<b>0</b>	<1	<1	---
Molybdenum	ppm	<b>1</b>	0	0	---
Nickel	ppm	<b>0</b>	<1	0	---
Titanium	ppm	<b>0</b>	<1	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	2	<1	---
Vanadium	ppm	<b>0</b>	0	0	---



#### Additives

Calcium	ppm	<b>156</b>	112	114	---
Magnesium	ppm	<b>0</b>	2	<1	---
Zinc	ppm	<b>82</b>	26	6	---
Phosphorus	ppm	<b>403</b>	1526	1240	---
Barium	ppm	<b>0</b>	0	6	---
Boron	ppm	<b>15</b>	13	17	---

#### Diagnosis

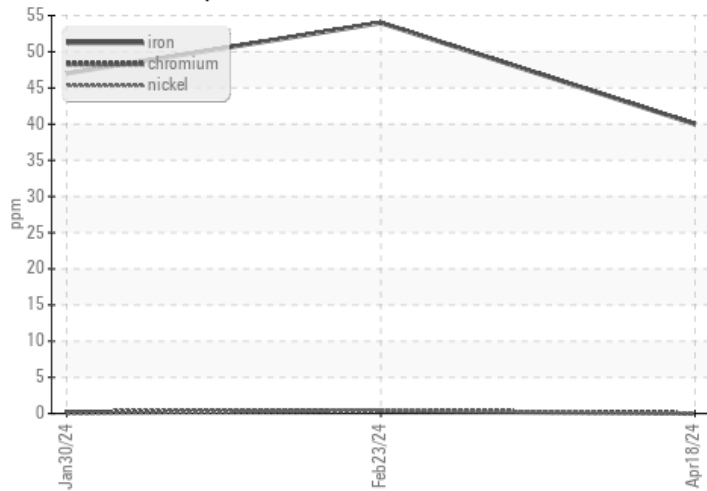
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type.

**Depot:** KINTRI  
**Unique No:** 11002914  
**Signed:** Don Baldrige  
**Report Date:** 30 Apr 2024

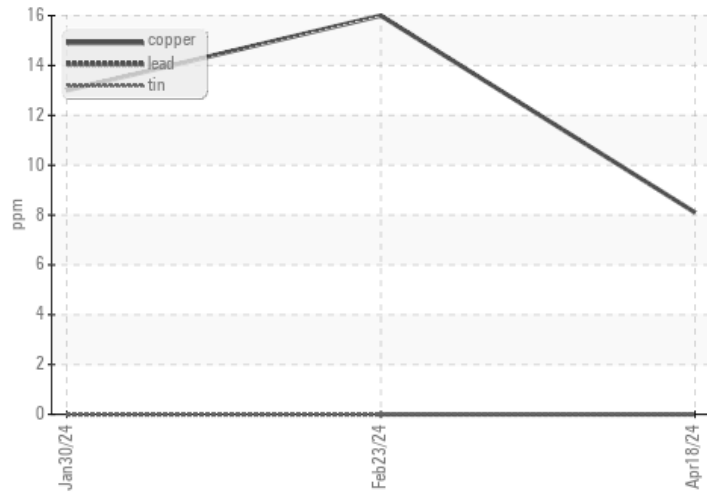


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### ● Viscosity @ 40°C

