

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH110 155976-1227 - Rear Left Wheel Hub

Sample No: LH0267534

Oil Type: GEAR OIL SAE 80W90



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

T: (256)350-0006  
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#### 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.



#### Sample Information

Sample Number	LH0267534	LH0280578	LH0280567	---
Sample Date	18 Apr 2024	23 Feb 2024	30 Jan 2024	---
Machine Hours	1623	995	534	---
Oil Hours	628	0	0	---
Oil Changed	Not Changd	Changed	Not Changd	---
Sample Status	ATTENTION	NORMAL	NORMAL	---



#### Oil Condition

Visc @ 40°C	cSt	98.7	156	155	---
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#### Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	5	17	15	---
Sodium	ppm	0	3	0	---
Potassium	ppm	0	<1	1	---



#### Wear Metals

Iron	ppm	36	55	50	---
Copper	ppm	8	17	13	---
Lead	ppm	0	<1	0	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	<1	2	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	1	0	0	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	2	<1	---
Vanadium	ppm	0	0	0	---



#### Additives

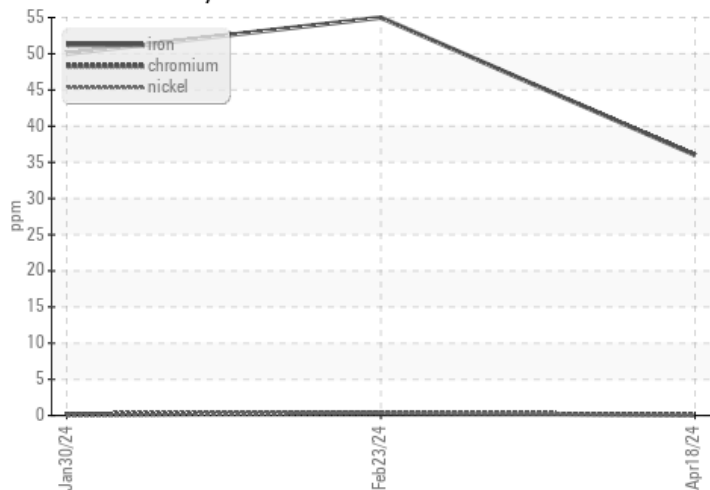
Calcium	ppm	177	111	126	---
Magnesium	ppm	4	2	<1	---
Zinc	ppm	103	26	10	---
Phosphorus	ppm	466	1516	1298	---
Barium	ppm	0	0	6	---
Boron	ppm	<1	14	17	---

Depot: KINTRI  
Unique No: 11031830  
Signed: Don Baldrige  
Report Date: 17 May 2024

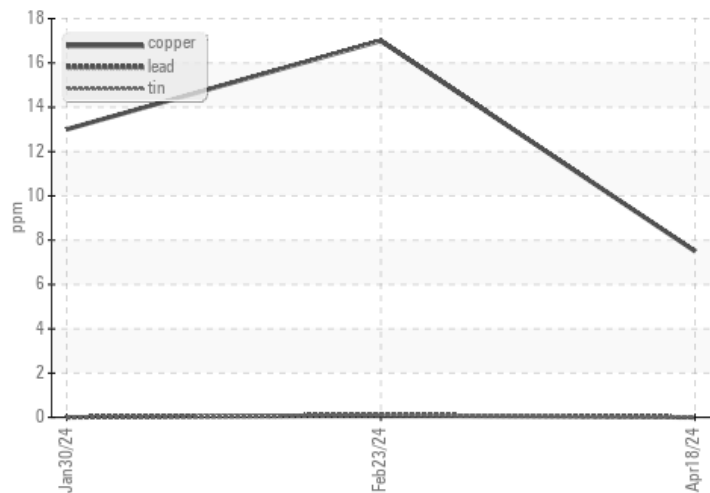


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### ● Viscosity @ 40°C

