

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A944C038730-194 - Rear Right Wheel Hub

Sample No: LH0264548

Oil Type: GEAR OIL SAE 80W90



#### Sample Information

Sample Number	LH0264548	LH0258744	LH0264402	LH0185257
Sample Date	22 May 2024	14 Feb 2024	28 Jun 2023	29 Jan 2021
Machine Hours	31406	30984	29970	27384
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**ALTER METAL**  
 2080 SPINDT DR  
 WAUPACA, WI  
 US 54981  
 Contact: BRAD DORMADY  
 brad.dormady@altertrading.com  
 T:  
 F:



#### Oil Condition

Visc @ 40°C	cSt	124	122	141	145
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#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<1	0	2	4
Sodium	ppm	2	2	1	3
Potassium	ppm	2	0	4	2



#### Wear Metals

Iron	ppm	7	12	28	134
Copper	ppm	1	6	8	64
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	0	0	<1	3
Chromium	ppm	0	0	<1	1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	1	3
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	21	33	40	24
Magnesium	ppm	3	1	10	2
Zinc	ppm	22	10	37	53
Phosphorus	ppm	1003	658	805	933
Barium	ppm	<1	0	2	0
Boron	ppm	27	1	16	120

#### Diagnosis

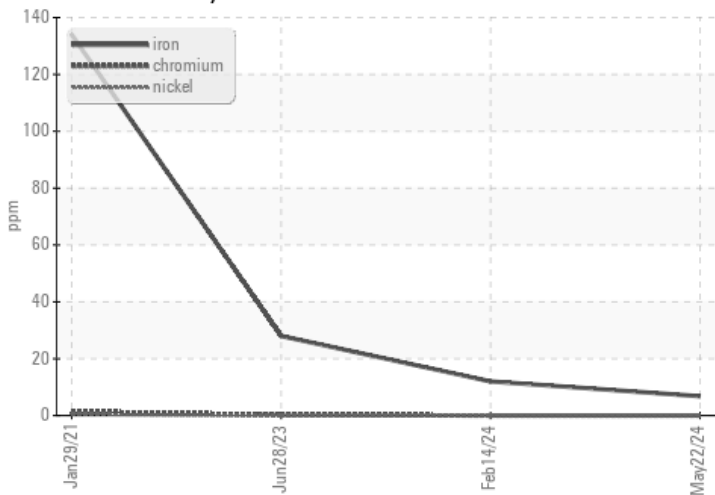
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** ALTWAUWI  
**Unique No:** 11072591  
**Signed:** Angela Borella  
**Report Date:** 12 Jun 2024

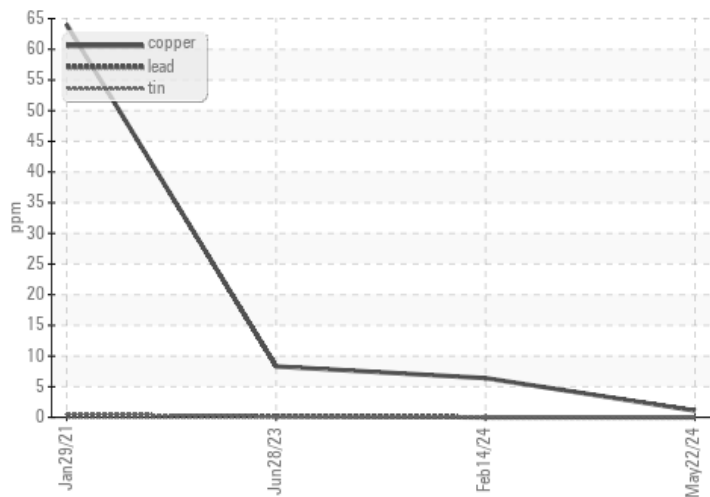


### Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

