

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A944C038730-194 - Rear Gearbox

Sample No: LH0264613

Oil Type: GEAR OIL SAE 80W90



#### Sample Information

Sample Number	LH0264613	LH0258749	LH0264404	LH0185160
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	121	142	146



#### Contamination

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



#### Wear Metals

Iron	ppm	8	13	13	121
Copper	ppm	2	7	6	60
Lead	ppm	<1	0	<1	0
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	1	0	0	3
Chromium	ppm	<1	0	0	1
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	<1	0	0	<1
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	0	<1	<1	3
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	14	52	29	23
Magnesium	ppm	3	3	6	2
Zinc	ppm	14	25	24	50
Phosphorus	ppm	1128	657	668	870
Barium	ppm	0	0	2	0
Boron	ppm	24	1	10	113

#### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

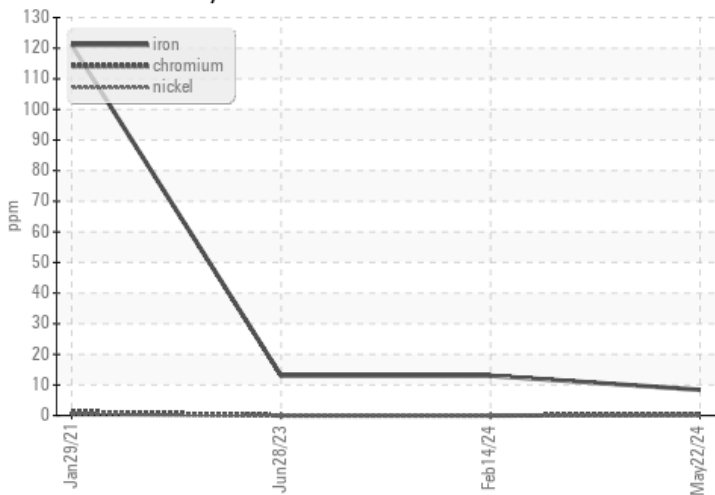
All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: ALTWAUWI  
Unique No: 11060551  
Signed: Wes Davis  
Report Date: 04 Jun 2024

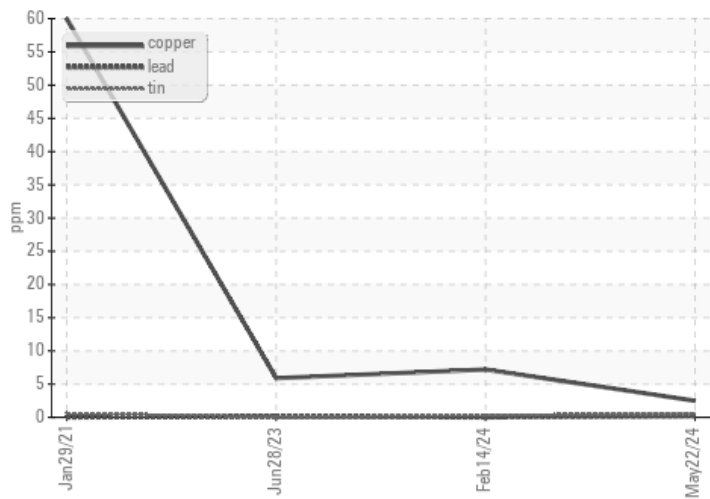


### Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

