

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A944C038730-194 - Rear Differential

Sample No: LH0264619

Oil Type: GEAR OIL SAE 80W90



#### Sample Information

Sample Number	LH0264619	LH0258748	LH0264403	LH0185258
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	122	121	143	145
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#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	0	<1	1	4
Sodium	ppm	0	2	0	2
Potassium	ppm	1	0	3	8



#### Wear Metals

Iron	ppm	5	18	18	123
Copper	ppm	2	10	7	60
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	<1	0	0
Aluminum	ppm	1	0	0	2
Chromium	ppm	<1	0	0	1
Molybdenum	ppm	<1	0	<1	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	3
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	10	34	24	42
Magnesium	ppm	3	2	5	0
Zinc	ppm	12	12	22	69
Phosphorus	ppm	1092	692	663	898
Barium	ppm	0	0	2	0
Boron	ppm	28	1	11	95

#### 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: 11060544

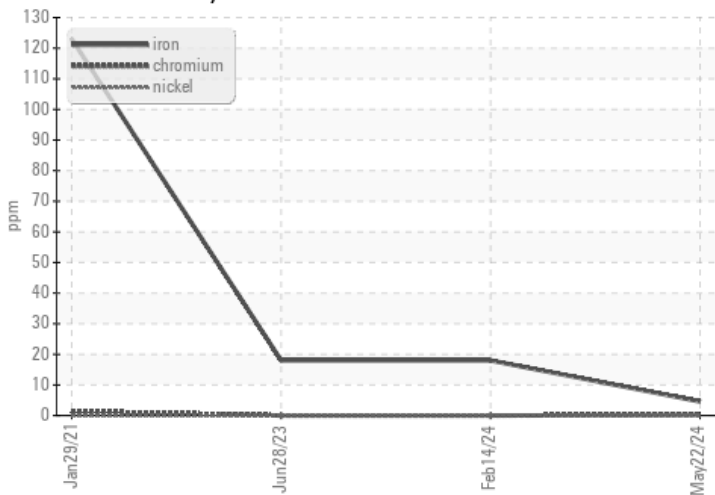
Signed: Wes Davis

Report Date: 04 Jun 2024

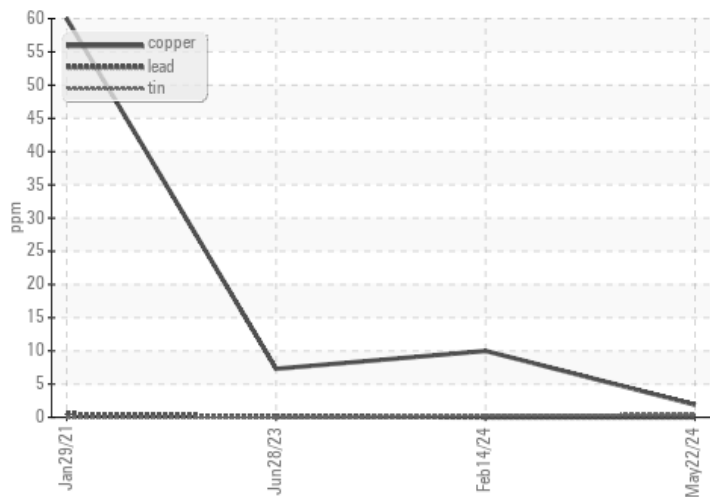


### Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

