

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A944 038730-194 - Rear Right Final Drive

Sample No: LH0258744

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

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

#### ALTER METAL

2080 SPINDT DR

WAUPACA, WI

US 54981

Contact: BRAD DORMADY

brad.dormady@altertrading.com

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#### OIL CONDITION

Visc @ 40°C	cSt	122	141	145	---
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#### CONTAMINATION

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



#### WEAR METALS

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



#### ADDITIVES

Calcium	ppm	33	40	24	---
Magnesium	ppm	1	10	2	---
Zinc	ppm	10	37	53	---
Phosphorus	ppm	658	805	933	---
Barium	ppm	0	2	0	---
Boron	ppm	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: 10896926

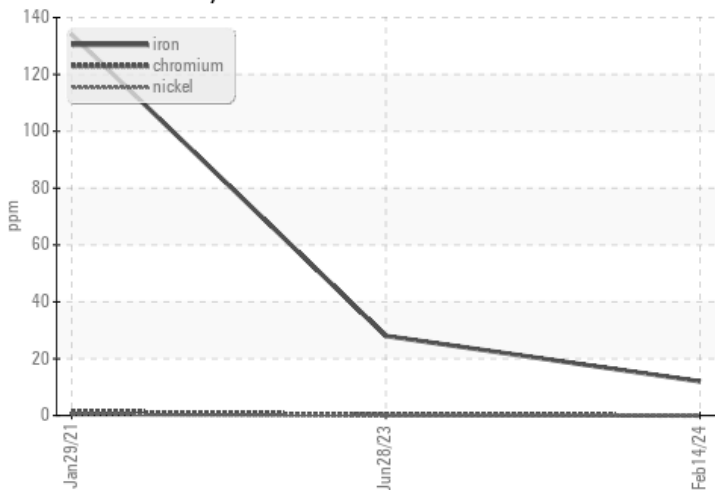
Signed: Wes Davis

Report Date: 26 Feb 2024

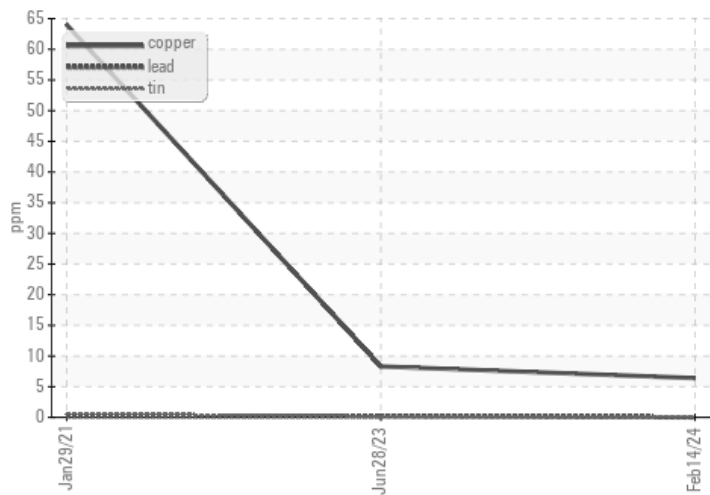


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

