

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A944 038730-194 - Rear Left Final Drive

Sample No: LH0258822

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0258822	LH0264407	LH0185261	---
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
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	121	142	145	---
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CONTAMINATION

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



WEAR METALS

Iron	ppm	10	15	137	---
Copper	ppm	6	6	63	---
Lead	ppm	0	<1	<1	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	0	0	3	---
Chromium	ppm	0	0	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	27	24	---
Magnesium	ppm	1	5	2	---
Zinc	ppm	10	20	53	---
Phosphorus	ppm	675	665	934	---
Barium	ppm	0	2	0	---
Boron	ppm	1	10	115	---

Diagnosis

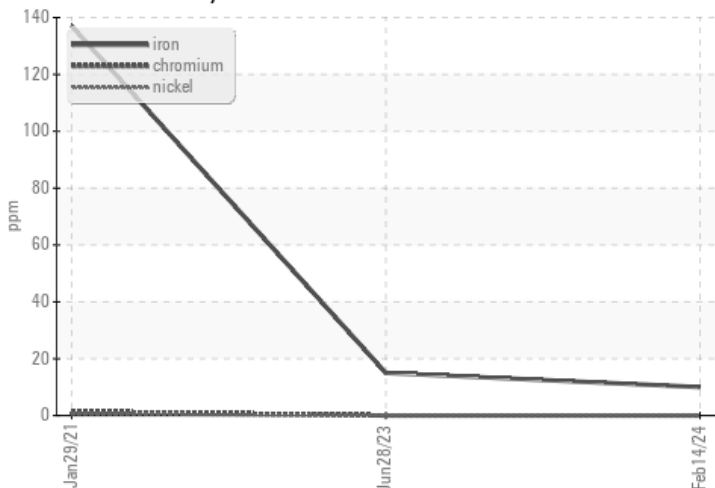
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: ALTWAUWI
Unique No: 10896929
Signed: Wes Davis
Report Date: 26 Feb 2024

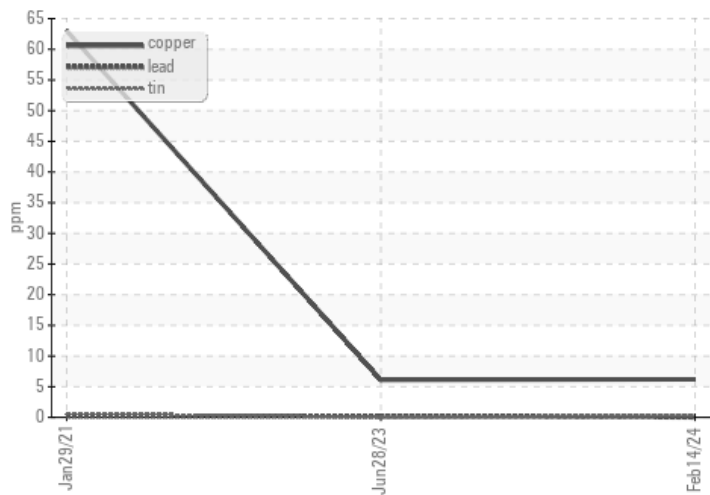


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

