

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R944 042563-194 - Rear Left Final Drive

Sample No: LH0243879

Oil Type: LIEBHERR GEAR BASIC 90 LS



LIEBHERR EQUIPMENT SOURCE
 4100 CHESTNUT AVENUE
 NEWPORT NEWS, VA
 US 23607
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 F: x:



SAMPLE INFORMATION

Sample Number	LH0243879	LH0220408	---	---
Sample Date	29 Feb 2024	03 Oct 2022	---	---
Machine Hours	29512	28033	---	---
Oil Hours	0	2000	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	312	310	---	---
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CONTAMINATION

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



WEAR METALS

Iron	ppm	18	13	---	---
Copper	ppm	13	10	---	---
Lead	ppm	0	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	<1	1	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	<1	2	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	58	46	---	---
Magnesium	ppm	8	6	---	---
Zinc	ppm	47	39	---	---
Phosphorus	ppm	1013	867	---	---
Barium	ppm	0	0	---	---
Boron	ppm	166	176	---	---

Diagnosis

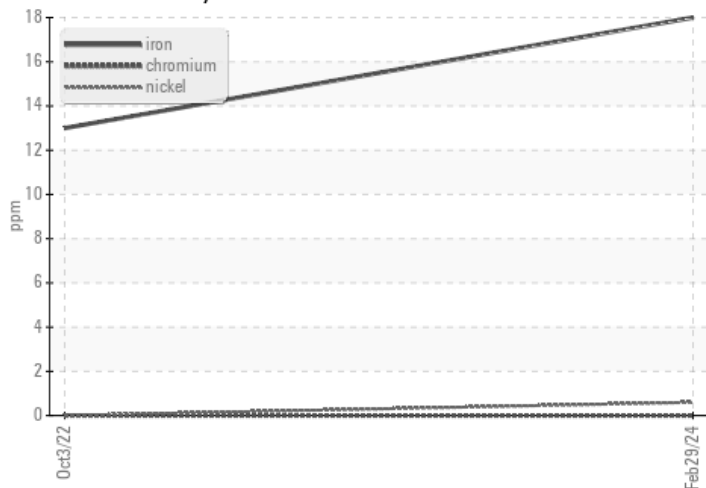
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEBHERRUS
 Unique No: 10915867
 Signed: Jonathan Hester
 Report Date: 11 Mar 2024

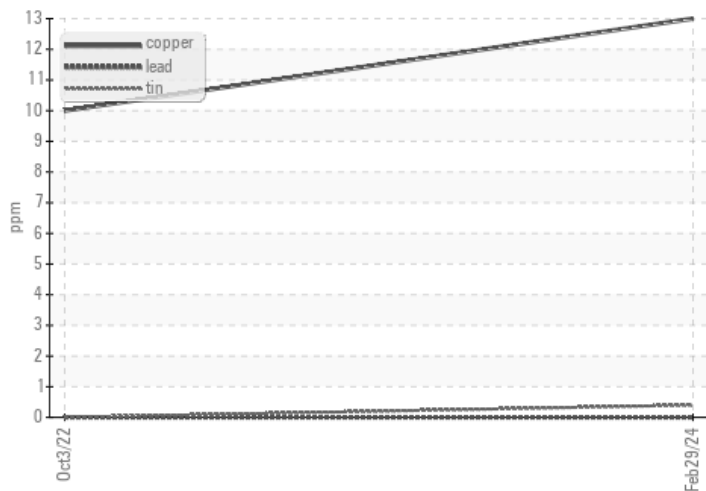


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

