

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R924 049837-1487 - Right Final Drive

Sample No: LH0268531

Oil Type: LIEBHERR GEAR BASIC 90 LS



LIEBHERR EQUIPMENT SOURCE
 8200 FAYETTEVILLE ROAD
 RALEIGH, NC
 US 27603
 Contact: Timothy Bailey
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 T:
 F: (919)329-0084



Sample Information

Sample Number	LH0268531	LH0257471	---	---
Sample Date	24 May 2024	06 Jun 2023	---	---
Machine Hours	1516	780	---	---
Oil Hours	800	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



Oil Condition

Visc @ 40°C	cSt	● 189	● 196	---	---
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Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	● 61	● 4	---	---
Sodium	ppm	● 7	● 9	---	---
Potassium	ppm	● 7	● 6	---	---



Wear Metals

Iron	ppm	● 335	● 145	---	---
Copper	ppm	● <1	● <1	---	---
Lead	ppm	● 0	● 0	---	---
Tin	ppm	● <1	● 0	---	---
Aluminum	ppm	● 17	● 4	---	---
Chromium	ppm	● 3	● 2	---	---
Molybdenum	ppm	● 0	● <1	---	---
Nickel	ppm	● <1	<1	---	---
Titanium	ppm	● 1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 5	● 3	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	● 93	35	---	---
Magnesium	ppm	● 4	● 4	---	---
Zinc	ppm	● 61	● 43	---	---
Phosphorus	ppm	● 2263	● 1439	---	---
Barium	ppm	● 8	● 12	---	---
Boron	ppm	● 0	● 1	---	---

Diagnosis

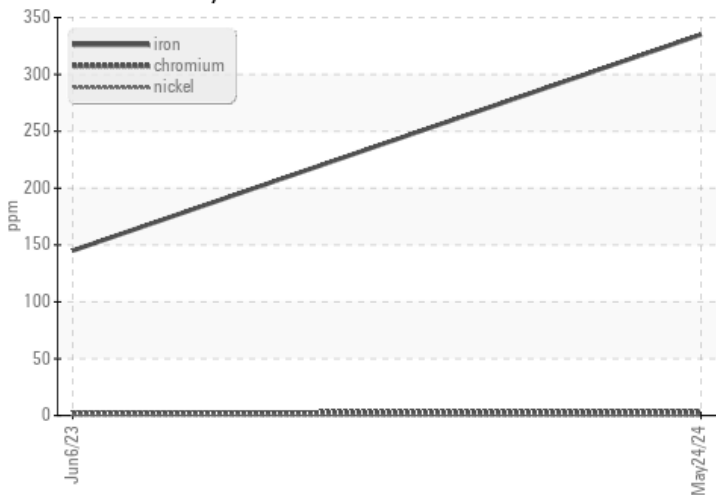
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEBHERRNC
 Unique No: 11062735
 Signed: Wes Davis
 Report Date: 06 Jun 2024

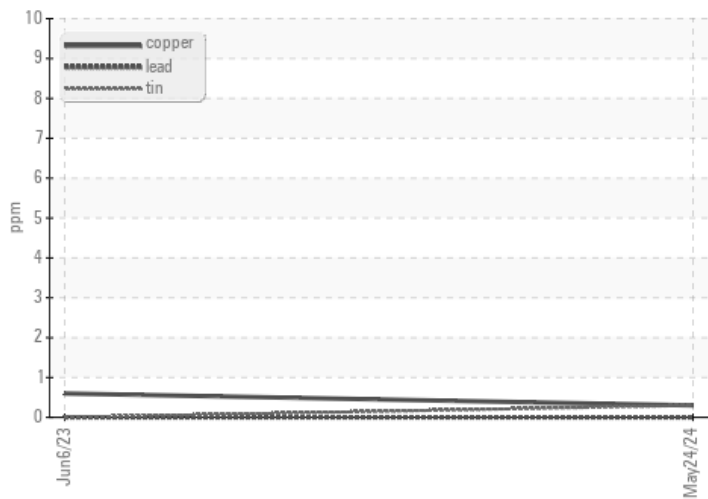


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

