

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R9150BH 038079-1857 - Right Final Drive

Sample No: LH0268804

Oil Type: LIEBHERR GEAR BASIC 90 LS



FINKBINER EQUIPMENT CO.
 15 W 400 N FRONTAGE RD
 BURR RIDGE, IL
 US 60527
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SAMPLE INFORMATION

Sample Number	LH0268804	---	---	---
Sample Date	27 Dec 2023	---	---	---
Machine Hours	1248	---	---	---
Oil Hours	1248	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 444	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 0	---	---	---
Sodium	ppm	● 0	---	---	---
Potassium	ppm	● 0	---	---	---



WEAR METALS

Iron	ppm	● 4	---	---	---
Copper	ppm	● 4	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 3	---	---	---
Magnesium	ppm	● 1	---	---	---
Zinc	ppm	● 11	---	---	---
Phosphorus	ppm	● 458	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 18	---	---	---

Diagnosis

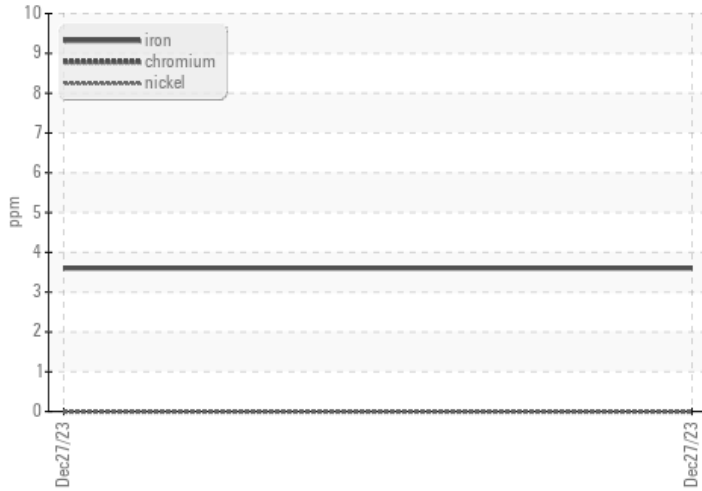
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Depot: LEC0033
Unique No: 10833634
Signed: Don Baldrige
Report Date: 18 Jan 2024

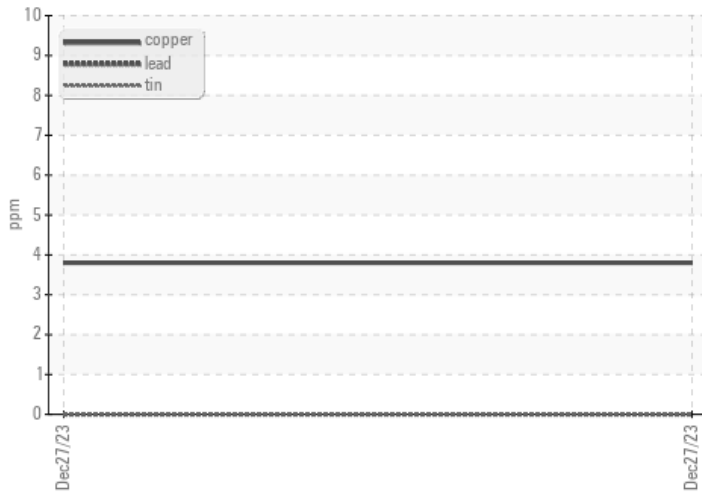


GRAPHS

Ferrous Alloys



Non-ferrous Metals



● Viscosity @ 40°C

