

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L528 040762-1267 - Rear Left Wheel Hub

Sample No: LH0268835

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0268835	---	---	---
Sample Date	11 Jan 2024	---	---	---
Machine Hours	1765	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

FINKBINER EQUIPMENT CO.

15 W 400 N FRONTAGE RD

BURR RIDGE, IL

US 60527

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OIL CONDITION

Visc @ 40°C	cSt	● 189	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 29	---	---	---
Sodium	ppm	● 6	---	---	---
Potassium	ppm	● 4	---	---	---



WEAR METALS

Iron	ppm	● 253	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 6	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 115	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 81	---	---	---
Phosphorus	ppm	● 3160	---	---	---
Barium	ppm	● 14	---	---	---
Boron	ppm	● 20	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

Depot: LEC0033

Unique No: 10863053

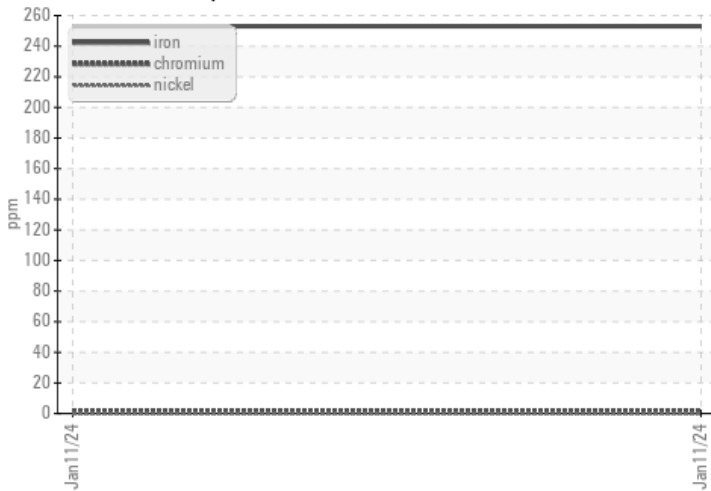
Signed: Sean Felton

Report Date: 07 Feb 2024

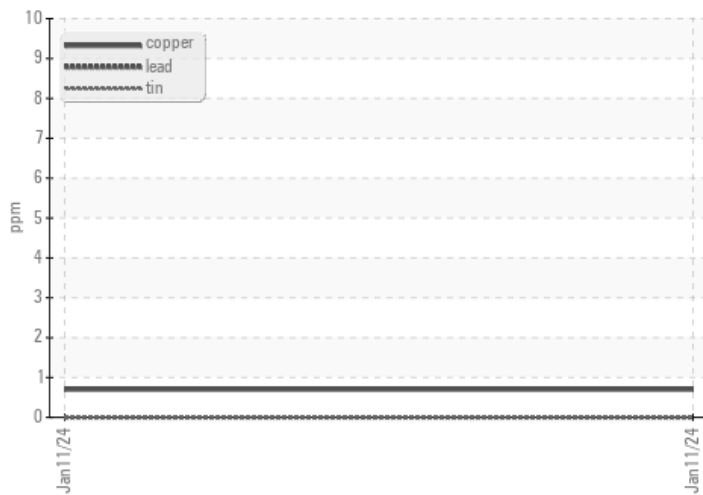


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

