

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A944C038730-194 - Front Gearbox

Sample No: LH0264615

Oil Type: GEAR OIL SAE 80W90



Sample Information

Sample Number	LH0264615	LH0258747	---	---
Sample Date	22 May 2024	14 Feb 2024	---	---
Machine Hours	31406	30984	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	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	● 123	● 121	---	---
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Contamination

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



Wear Metals

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



Additives

Calcium	ppm	● 9	● 37	---	---
Magnesium	ppm	● 3	● 2	---	---
Zinc	ppm	● 11	● 13	---	---
Phosphorus	ppm	● 942	● 665	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	● 14	<1	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

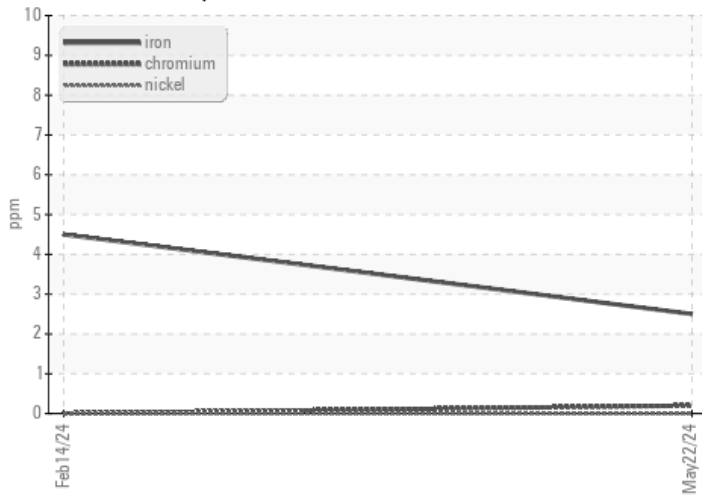
All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: ALTWAUWI
 Unique No: 11060547
 Signed: Wes Davis
 Report Date: 04 Jun 2024

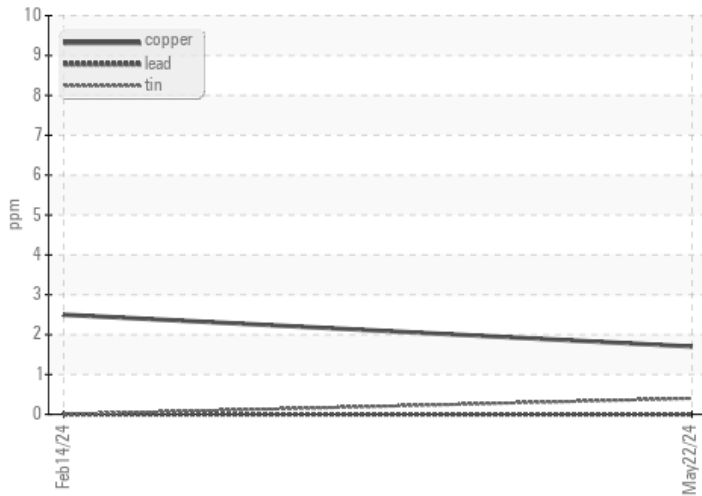


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

