

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L538 055489-1559 - Rear Differential

Sample No: LH0273552

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0273552	---	---	---
Sample Date	08 May 2024	---	---	---
Machine Hours	4169	---	---	---
Oil Hours	4169	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

CHESAPEAKE BAY

2201 MINGEE DR.

HAMPTON, VA

US 23661

Contact: SERVICE MANAGER



Oil Condition

Visc @ 40°C	cSt	● 176	---	---	---
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T: (757)827-4778

F: (757)827-0978



Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 10	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● 3	---	---	---

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.



Wear Metals

Iron	ppm	● 113	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 1	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	● 90	---	---	---
Magnesium	ppm	45	---	---	---
Zinc	ppm	● 56	---	---	---
Phosphorus	ppm	● 2085	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 7	---	---	---

Depot: CHEHAMLH

Unique No: 11075619

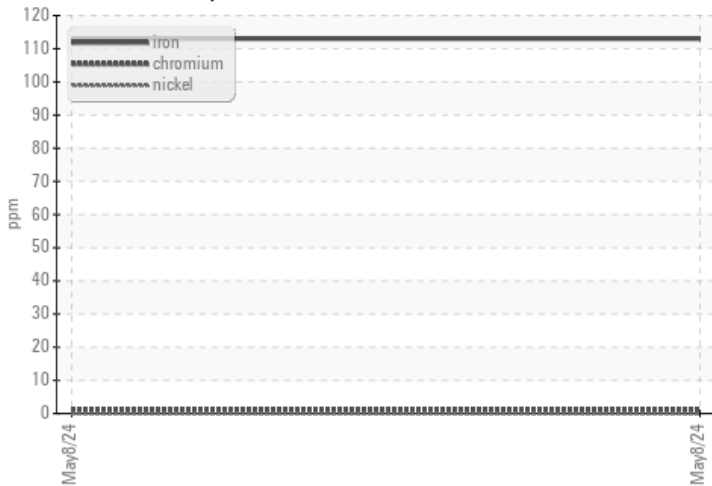
Signed: Wes Davis

Report Date: 14 Jun 2024

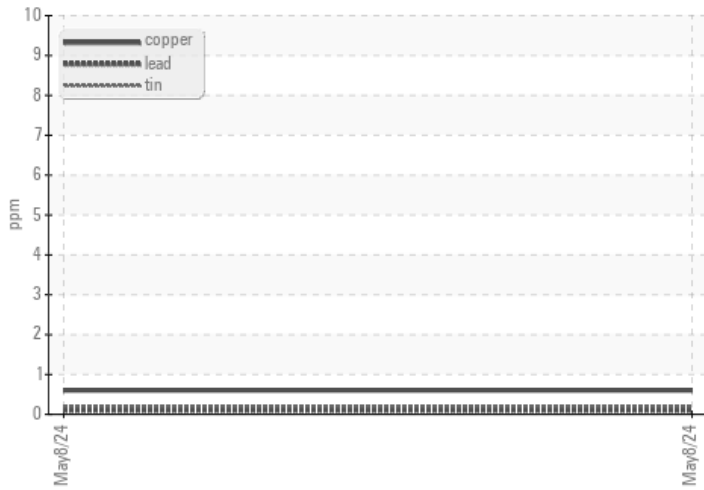


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

