

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 048223-1332 - Front Differential

Sample No: LH0271985

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0271985	---	---	---
Sample Date	13 May 2024	---	---	---
Machine Hours	1749	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

LIEBHERR EQUIPMENT SOURCE

8200 FAYETTEVILLE ROAD
RALEIGH, NC

US 27603

Contact: Timothy Bailey

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T:

F: (919)329-0084



Oil Condition

Visc @ 40°C	cSt	● 195	---	---	---
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Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 19	---	---	---
Sodium	ppm	● 9	---	---	---
Potassium	ppm	● <1	---	---	---



Wear Metals

Iron	ppm	● 128	---	---	---
Copper	ppm	● 104	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 2	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 1	---	---	---
Molybdenum	ppm	● 7	---	---	---
Nickel	ppm	● 2	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 28	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	● 27	---	---	---
Magnesium	ppm	● 3	---	---	---
Zinc	ppm	● 71	---	---	---
Phosphorus	ppm	● 2241	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 8	---	---	---

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. The copper level is abnormal. All other 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: 11047557

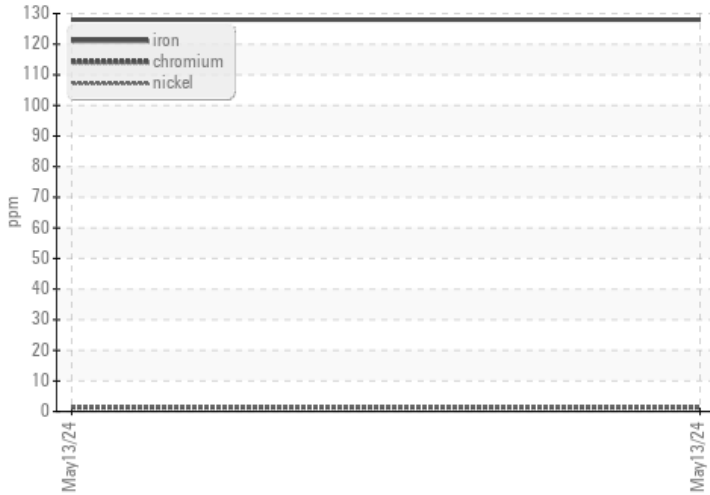
Signed: Sean Felton

Report Date: 29 May 2024

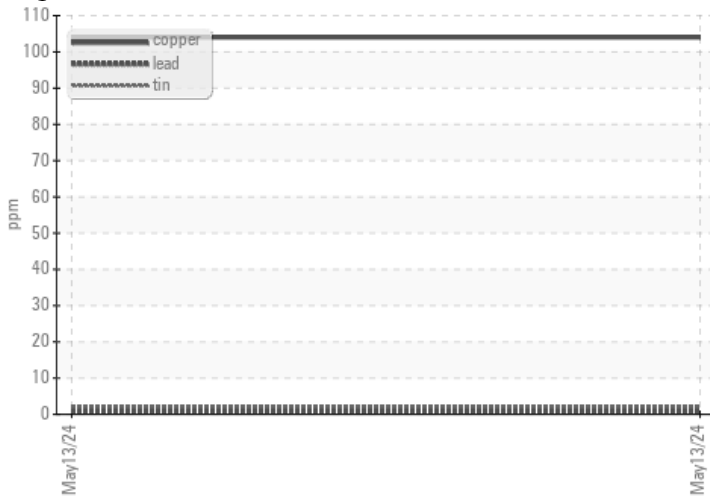


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

