

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40M 087885-1202 - Rear Differential

Sample No: LH0258378

Oil Type: GEAR OIL SAE 80W90



Sample Information

Sample Number	LH0258378	---	---	---
Sample Date	28 Apr 2024	---	---	---
Machine Hours	15270	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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 7651 THEODORE DAWES RD
 THEODORE, AL
 US 36582
 Contact: DAVID MIANO
 dmiano@heavymachinesinc.com
 T: x:
 F: x:



Oil Condition

Visc @ 40°C	cSt	● 131	---	---	---
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Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 6	---	---	---
Sodium	ppm	● 13	---	---	---
Potassium	ppm	● 3	---	---	---



Wear Metals

Iron	ppm	● 482	---	---	---
Copper	ppm	● 193	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 5	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● 2	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 10	---	---	---
Vanadium	ppm	● 0	---	---	---



Additives

Calcium	ppm	● 36	---	---	---
Magnesium	ppm	● 3	---	---	---
Zinc	ppm	● 144	---	---	---
Phosphorus	ppm	● 1701	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 183	---	---	---

Diagnosis

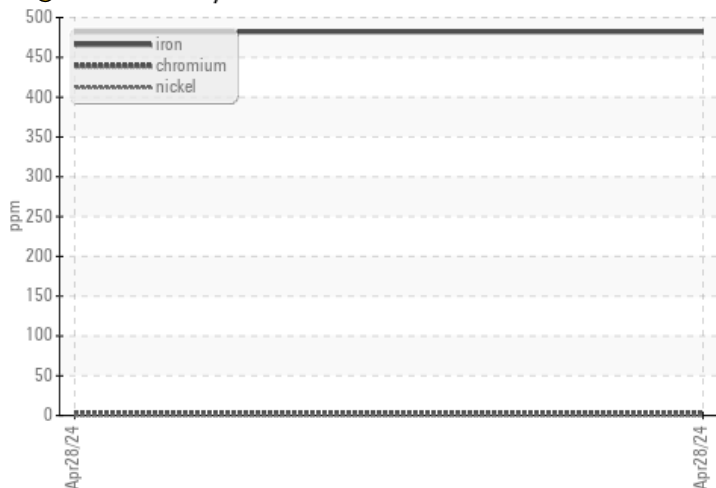
The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: HEATHE
Unique No: 11009882
Signed: Don Baldrige
Report Date: 08 May 2024

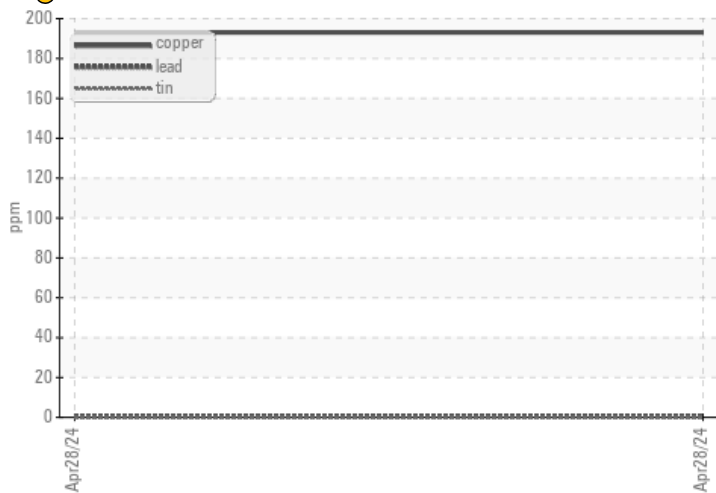


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

