

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 710314 - Rear Differential

Sample No: LH0257855

Oil Type: GEAR OIL SAE 80W90



HEAVY MACHINES INC
 7651 THEODORE DAWES RD
 THEODORE, AL
 US 36582
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 T: x:
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SAMPLE INFORMATION

Sample Number	LH0257855	---	---	---
Sample Date	13 Nov 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 162	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 7	---	---	---
Sodium	ppm	● 5	---	---	---
Potassium	ppm	● 0	---	---	---



WEAR METALS

Iron	ppm	● 37	---	---	---
Copper	ppm	● 43	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 0	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 164	---	---	---
Magnesium	ppm	● 0	---	---	---
Zinc	ppm	● 50	---	---	---
Phosphorus	ppm	● 2047	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● 41	---	---	---

Diagnosis

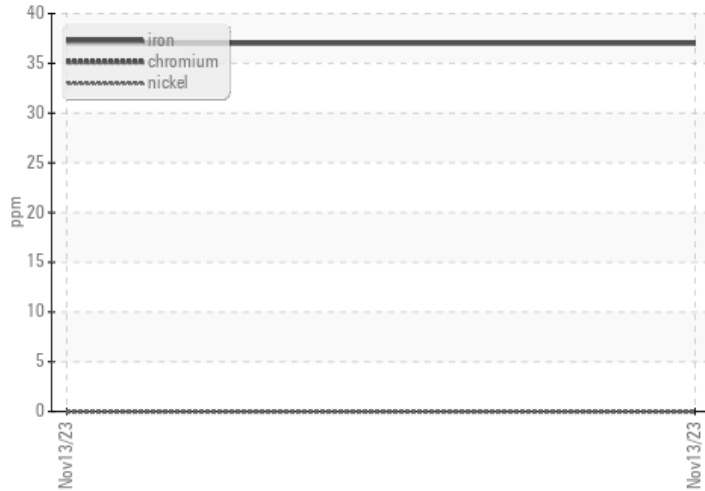
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: HEATHE
Unique No: 10752671
Signed: Sean Felton
Report Date: 22 Nov 2023



GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

