

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 144901-1216 - Rear Differential

Sample No: LH0259155

Oil Type: GEAR OIL SAE 80W90



DERICHEBOURG RECYCLING
 1 WHARF ST
 HOUSTON, TX
 US 77012
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 F:



SAMPLE INFORMATION

Sample Number	LH0259155	---	---	---
Sample Date	27 Feb 2024	---	---	---
Machine Hours	2327	---	---	---
Oil Hours	817	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 136	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 3	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 2	---	---	---



WEAR METALS

Iron	ppm	● 12	---	---	---
Copper	ppm	● 34	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 2	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	● 31	---	---	---
Magnesium	ppm	● 9	---	---	---
Zinc	ppm	● 33	---	---	---
Phosphorus	ppm	● 1748	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 329	---	---	---

Diagnosis

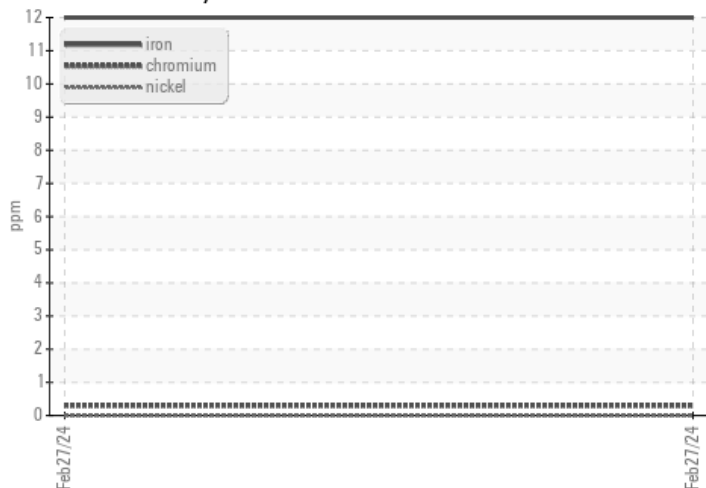
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: DERHOU
 Unique No: 10927937
 Signed: Wes Davis
 Report Date: 19 Mar 2024

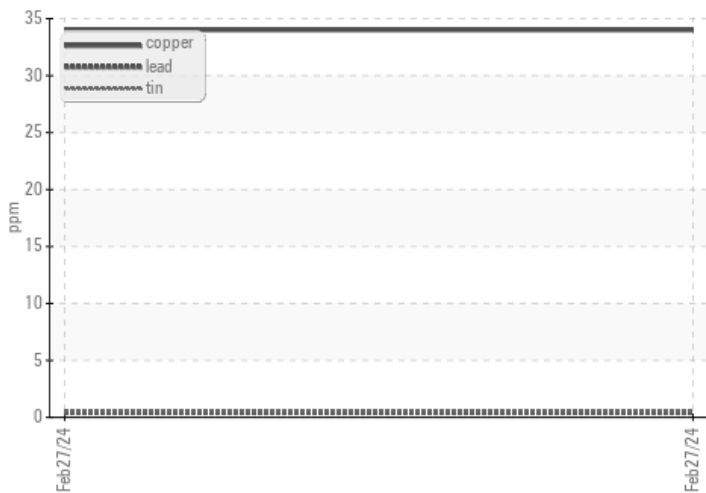


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

