

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 109502-1216 - Rear Left Wheel Hub

Sample No: LH0258811

Oil Type: GEAR OIL SAE 80W90



AMERICAN STATE EQUIPMENT CO.
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SAMPLE INFORMATION

Sample Number	LH0258811	LHMC149654	---	---
Sample Date	04 Mar 2024	26 Feb 2019	---	---
Machine Hours	22219	827	---	---
Oil Hours	0	827	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	193	133.4	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	4	8	---	---
Sodium	ppm	5	4	---	---
Potassium	ppm	0	4	---	---



WEAR METALS

Iron	ppm	59	21	---	---
Copper	ppm	6	5	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	0	1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	16	311	---	---
Magnesium	ppm	<1	1	---	---
Zinc	ppm	4	104	---	---
Phosphorus	ppm	2270	1853	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	<1	6	---	---

Diagnosis

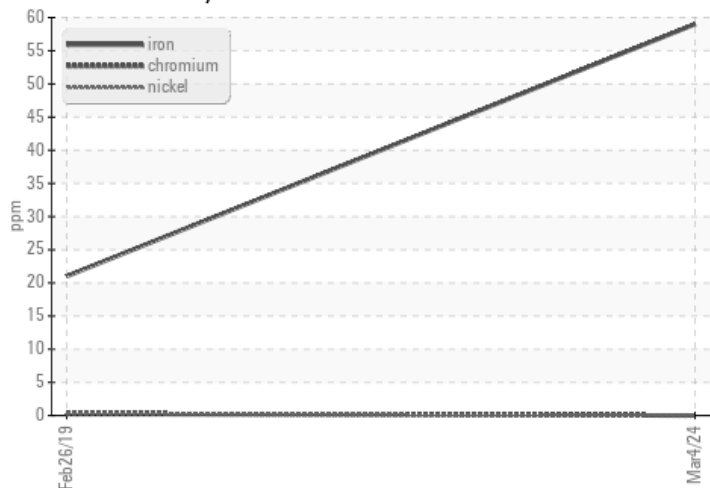
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 10949546
 Signed: Wes Davis
 Report Date: 27 Mar 2024

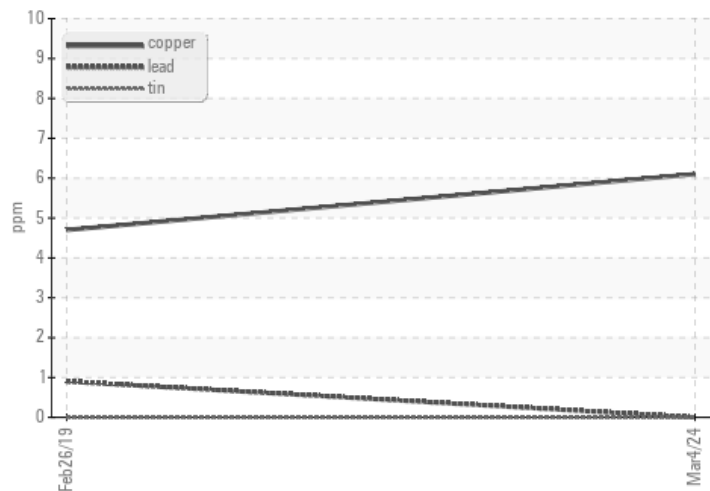


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

