

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 109502-1216 - Rear Right Wheel Hub

Sample No: LH0258806

Oil Type: GEAR OIL SAE 80W90



AMERICAN STATE EQUIPMENT CO.
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SAMPLE INFORMATION

Sample Number	LH0258806	LHMC149772	---	---
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	152.8	---	---
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CONTAMINATION

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



WEAR METALS

Iron	ppm	67	21	---	---
Copper	ppm	6	4	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	<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	17	184	---	---
Magnesium	ppm	<1	<1	---	---
Zinc	ppm	4	36	---	---
Phosphorus	ppm	2223	1957	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	<1	8	---	---

Diagnosis

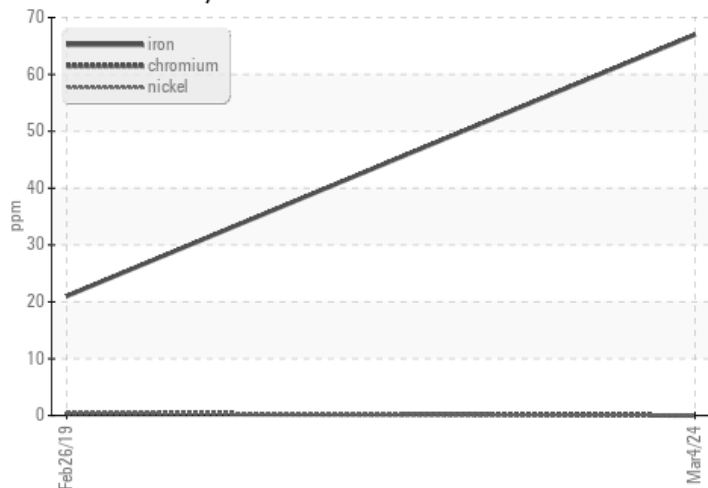
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 10949556
 Signed: Wes Davis
 Report Date: 27 Mar 2024

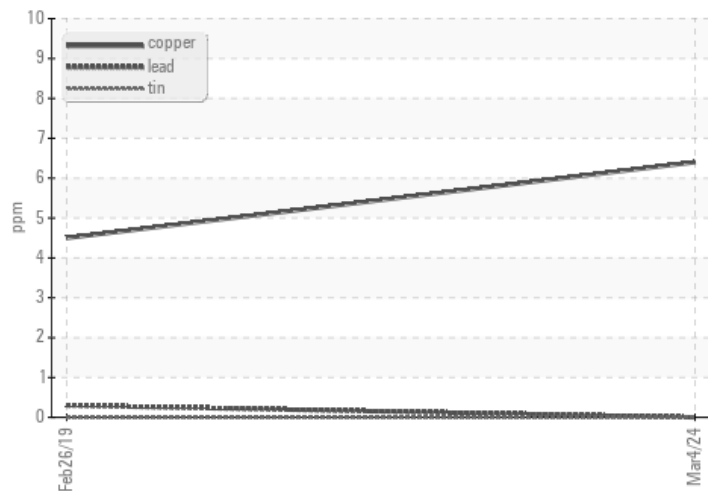


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

