

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 120561-1217 - Rear Right Wheel Hub

Sample No: LH0253866

Oil Type: GEAR OIL SAE 80W90



AMERICAN STATE EQUIPMENT CO.
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SAMPLE INFORMATION

Sample Number	LH0253866	LH0220674	LH0199949	---
Sample Date	08 Sep 2023	22 Nov 2022	11 Feb 2022	---
Machine Hours	3762	1973	983	---
Oil Hours	0	1000	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	168	185	186	---
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CONTAMINATION

Silicon	ppm	4	4	3	---
Sodium	ppm	4	4	3	---
Potassium	ppm	0	0	0	---



WEAR METALS

Iron	ppm	53	46	42	---
Copper	ppm	24	18	13	---
Lead	ppm	0	0	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	2	<1	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	0	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	2	1	1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	17	5	9	---
Magnesium	ppm	3	<1	<1	---
Zinc	ppm	20	5	8	---
Phosphorus	ppm	1098	994	1162	---
Barium	ppm	268	329	376	---
Boron	ppm	<1	4	2	---

Diagnosis

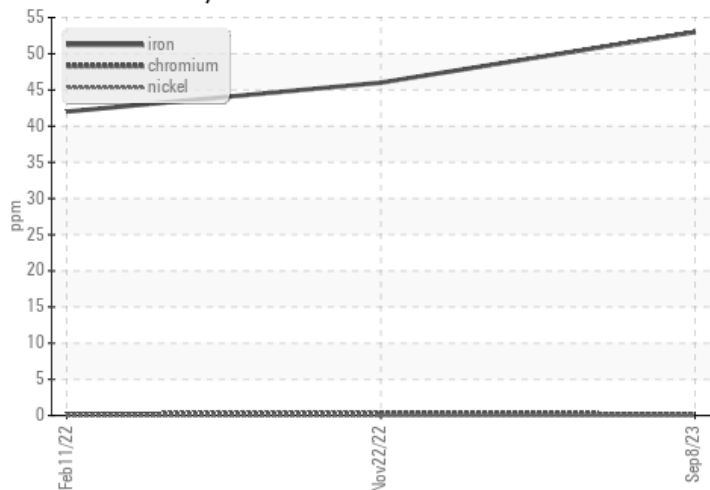
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
Unique No: 10670879
Signed: Don Baldrige
Report Date: 01 Oct 2023

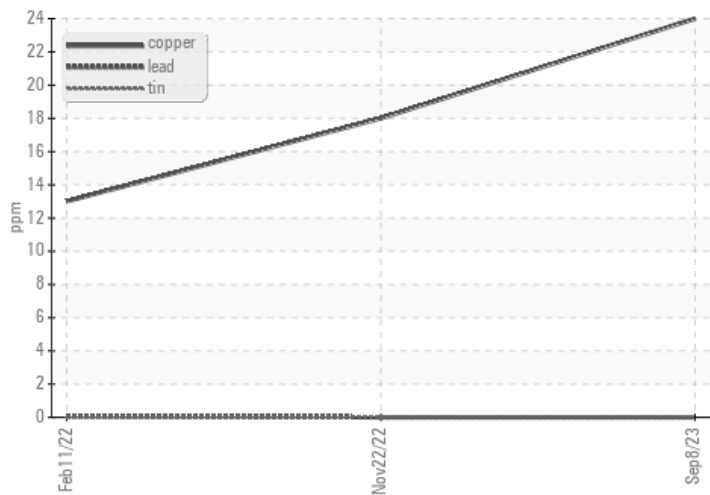


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

