

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1216-121548 - Rear Right Wheel Hub

Sample No: LH0243400

Oil Type: GEAR OIL SAE 80W90



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SAMPLE INFORMATION

Sample Number	LH0243400	LH0263855	LH0236115	---
Sample Date	05 Oct 2023	18 Jul 2023	20 Jan 2023	---
Machine Hours	2969	2422	1172	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	122	129	131	---
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CONTAMINATION

Silicon	ppm	<1	2	4	---
Sodium	ppm	2	3	<1	---
Potassium	ppm	0	0	2	---



WEAR METALS

Iron	ppm	9	22	23	---
Copper	ppm	2	7	7	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	0	<1	0	---
Chromium	ppm	0	0	0	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	44	72	54	---
Magnesium	ppm	1	8	4	---
Zinc	ppm	12	37	28	---
Phosphorus	ppm	870	839	968	---
Barium	ppm	0	0	0	---
Boron	ppm	0	2	11	---

Diagnosis

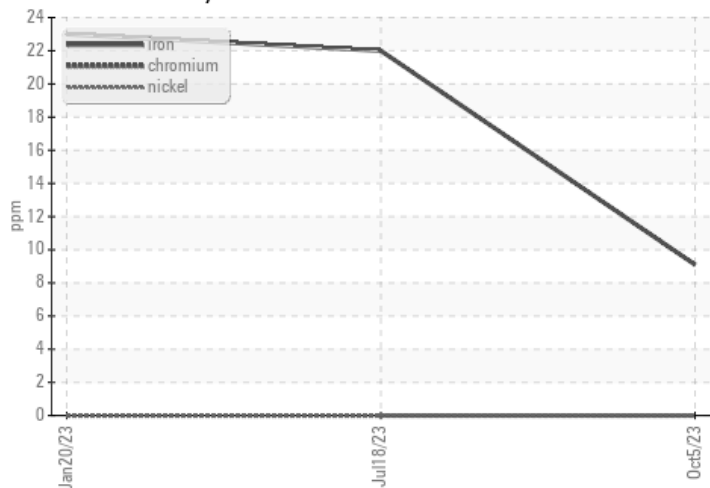
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 10701546
 Signed: Doug Bogart
 Report Date: 20 Oct 2023

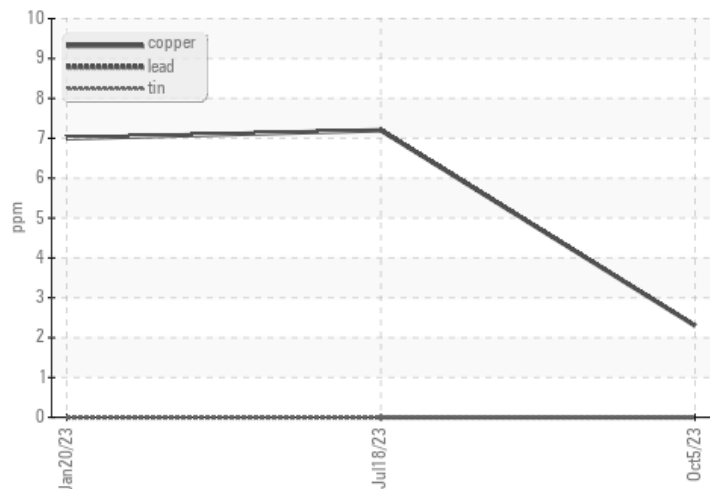


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

