

LIEBHERR

CONSTRUCTION EQUIPMENT



[[KIMMEL]] LIEBHERR LH50M 1216-117 615 - Rear Left Wheel H

Sample No: LH0268507

Oil Type: LIEBHERR GEAR BASIC 90 LS



RECO EQUIPMENT INC
 10461 GRAND RIVER RD
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SAMPLE INFORMATION

Sample Number	LH0268507	LH0243178	LHMC131808	---
Sample Date	18 Dec 2023	14 Apr 2023	04 Dec 2020	---
Machine Hours	8068	6895	2028	---
Oil Hours	1173	1000	860	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	168	173	149	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	<1	1	14	---
Sodium	ppm	<1	<1	2	---
Potassium	ppm	<1	<1	2	---



WEAR METALS

Iron	ppm	13	16	246	---
Copper	ppm	7	6	56	---
Lead	ppm	0	0	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	2	0	0	---
Chromium	ppm	<1	0	1	---
Molybdenum	ppm	0	0	1	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	0	<1	5	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	56	32	213	---
Magnesium	ppm	<1	<1	5	---
Zinc	ppm	34	31	122	---
Phosphorus	ppm	1971	2185	1922	---
Barium	ppm	<1	0	2	---
Boron	ppm	<1	0	6	---

Diagnosis

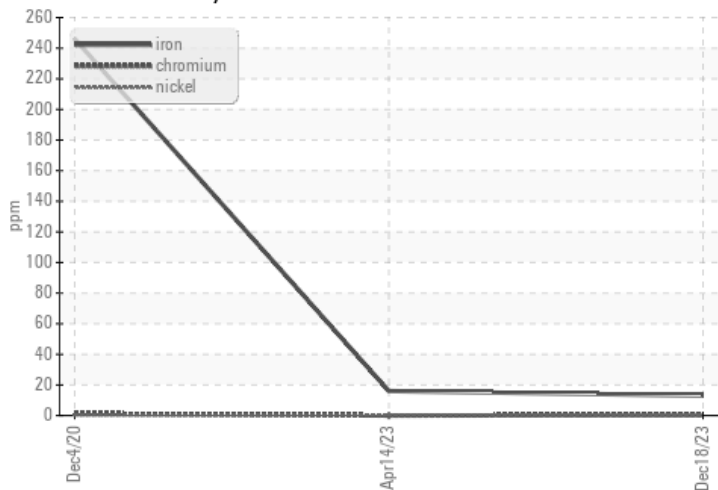
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: RECBRLH
 Unique No: 10849987
 Signed: Sean Felton
 Report Date: 31 Jan 2024

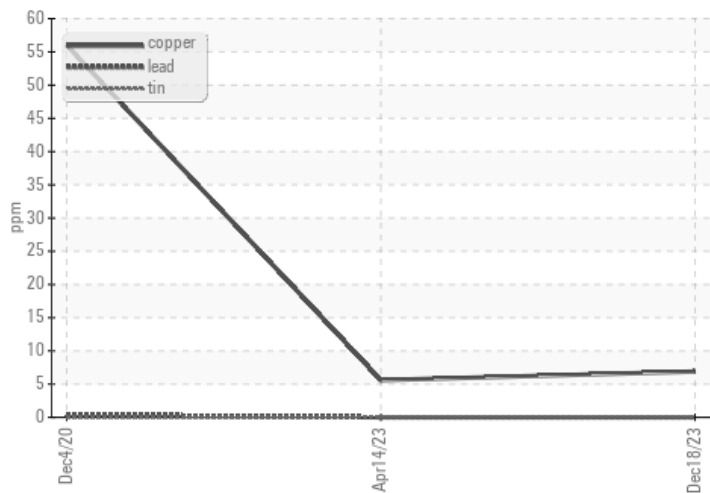


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

