

LIEBHERR

CONSTRUCTION EQUIPMENT



[[KIMMEL]] LIEBHERR LH50M 1216-117 615 - Front Right Wheel

Sample No: LH0268505

Oil Type: LIEBHERR GEAR BASIC 90 LS



RECO EQUIPMENT INC
 10461 GRAND RIVER RD
 BRIGHTON, MI
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SAMPLE INFORMATION

Sample Number	LH0268505	LH0243180	LHMC122700	---
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	NORMAL	ABNORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	161	148	147	---
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CONTAMINATION

Water	%	NEG	NEG	0.125	---
Silicon	ppm	5	10	45	---
Sodium	ppm	4	3	12	---
Potassium	ppm	2	2	4	---



WEAR METALS

Iron	ppm	195	284	516	---
Copper	ppm	15	18	76	---
Lead	ppm	0	0	<1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	2	0	2	---
Chromium	ppm	1	2	4	---
Molybdenum	ppm	0	<1	1	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	2	3	6	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	98	153	108	---
Magnesium	ppm	2	2	5	---
Zinc	ppm	64	119	98	---
Phosphorus	ppm	1958	1902	1793	---
Barium	ppm	<1	0	<1	---
Boron	ppm	<1	2	5	---

Diagnosis

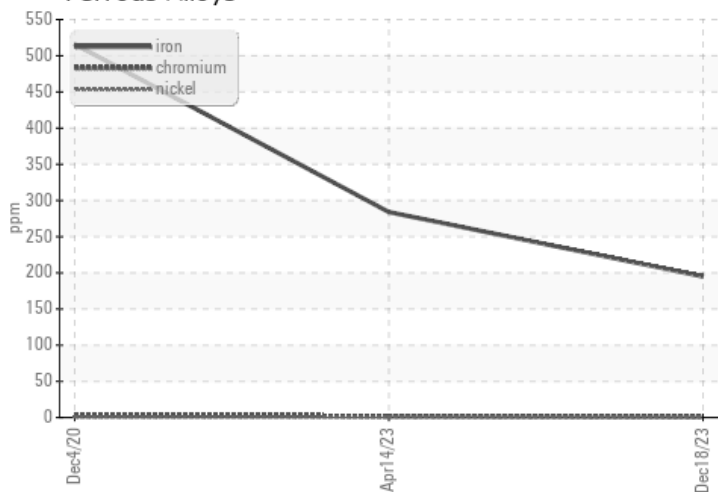
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: RECBRILH
Unique No: 10849970
Signed: Wes Davis
Report Date: 30 Jan 2024

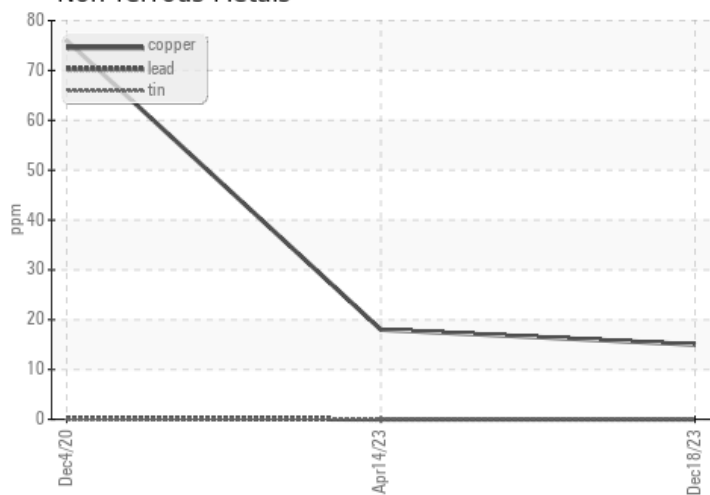


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

