

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 1216-117 615 - Rear Right Wheel Hub

Sample No: LH0268642

Oil Type: LIEBHERR GEAR BASIC 90 LS



RECO EQUIPMENT INC
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SAMPLE INFORMATION

Sample Number	LH0268642	LH0268508	LH0243177	LHMC122694
Sample Date	05 Mar 2024	18 Dec 2023	14 Apr 2023	04 Dec 2020
Machine Hours	5510	8068	6895	2028
Oil Hours	510	1173	1000	860
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	176	188	173	147
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	0	<1	<1	15
Sodium	ppm	1	4	<1	2
Potassium	ppm	0	<1	<1	2



WEAR METALS

Iron	ppm	2	15	14	244
Copper	ppm	<1	8	5	54
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	2	0	0
Chromium	ppm	0	<1	0	1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	0	0	<1	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	13	17	29	208
Magnesium	ppm	<1	2	<1	5
Zinc	ppm	17	10	29	117
Phosphorus	ppm	2202	2809	2203	1907
Barium	ppm	0	0	0	5
Boron	ppm	0	0	0	6

Diagnosis

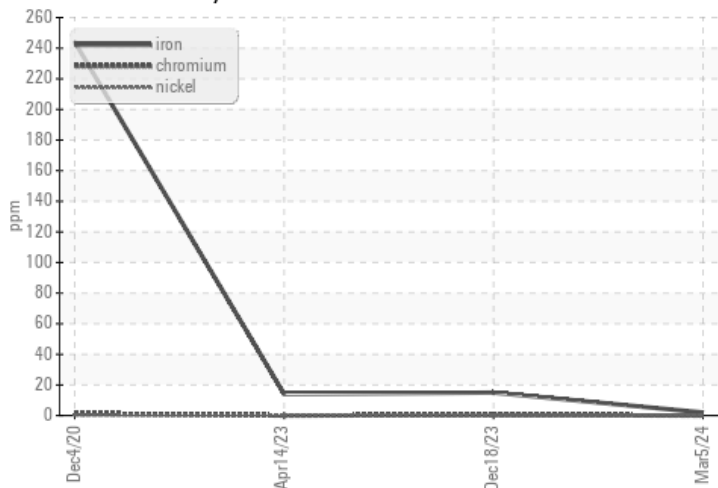
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: RECBRILH
Unique No: 10939382
Signed: Wes Davis
Report Date: 24 Mar 2024

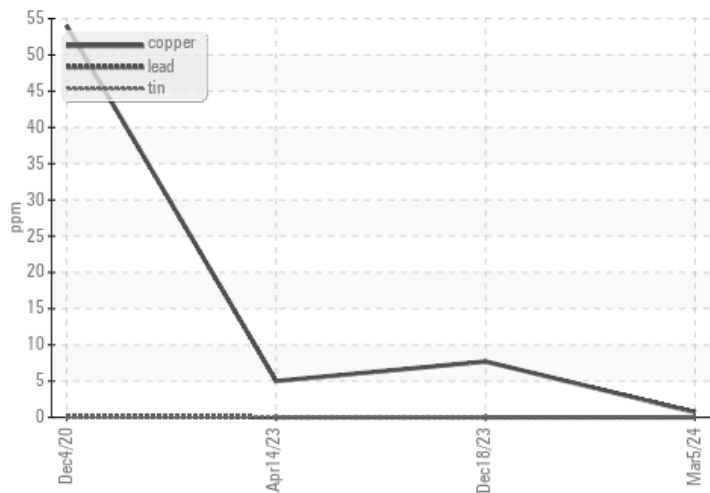


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

