

LIEBHERR

CONSTRUCTION EQUIPMENT



[[KIMMEL]] LIEBHERR LH50 145582-1216 - Rear Left Wheel Hu

Sample No: LH0272950

Oil Type: LIEBHERR GEAR BASIC 90 LS



RECO EQUIPMENT INC
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SAMPLE INFORMATION

Sample Number	LH0272950	LH0268527	LH0243270	LH0243204
Sample Date	20 Nov 2023	14 Sep 2023	15 Jun 2023	15 Mar 2023
Machine Hours	2062	1633	1005	461
Oil Hours	0	1633	0	461
Oil Changed	Changed	Not Changd	N/A	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	155	155	158	153
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	7	7	8
Sodium	ppm	<1	<1	2	2
Potassium	ppm	1	2	3	0



WEAR METALS

Iron	ppm	24	26	23	18
Copper	ppm	19	17	11	5
Lead	ppm	0	0	1	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	2	<1	2	0
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	3	4	4	4
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	2	2
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	155	185	181	182
Magnesium	ppm	1	2	6	4
Zinc	ppm	19	43	31	22
Phosphorus	ppm	1433	1446	1499	1372
Barium	ppm	2	0	<1	0
Boron	ppm	5	5	8	7

Diagnosis

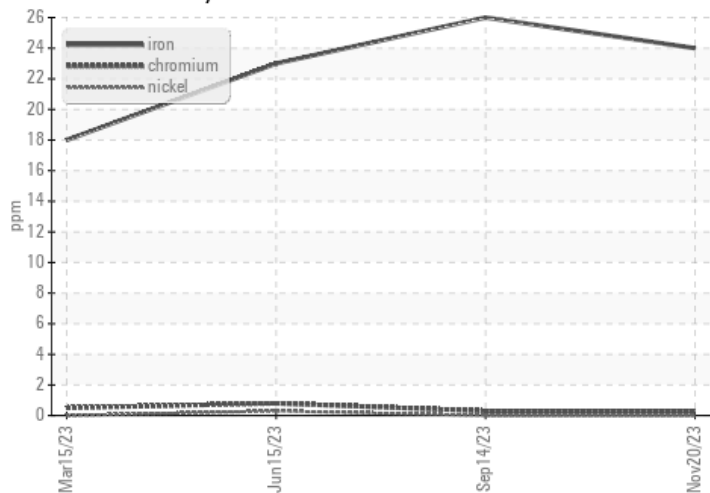
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: RECBRLH
 Unique No: 10849974
 Signed: Wes Davis
 Report Date: 30 Jan 2024

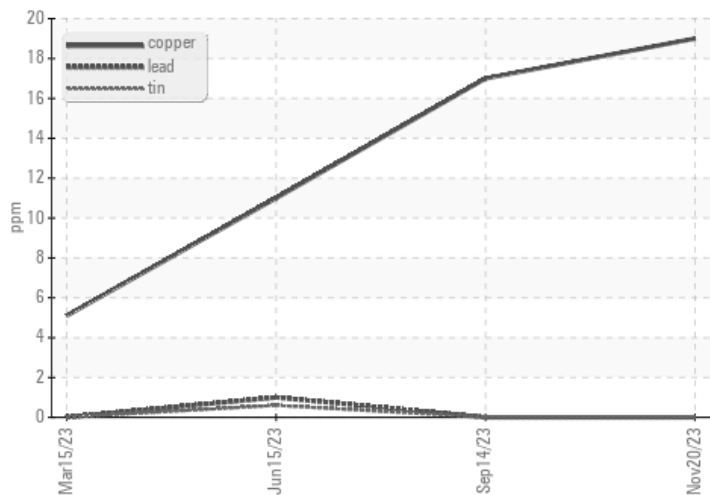


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

