

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0272951

Oil Type: LIEBHERR GEAR BASIC 90 LS



RECO EQUIPMENT INC
 10461 GRAND RIVER RD
 BRIGHTON, MI
 US 48116
 Contact: MATT VISEL
 MVISEL@RECOEQUIP.COM
 T: (810)299-1731
 F:



SAMPLE INFORMATION

Sample Number	LH0272951	LH0268522	LH0243265	LH0243205
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	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	140	140	141	141
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	9	13	12	13
Sodium	ppm	5	9	7	11
Potassium	ppm	3	4	6	4



WEAR METALS

Iron	ppm	46	58	42	45
Copper	ppm	20	24	14	9
Lead	ppm	0	<1	1	0
Tin	ppm	0	<1	<1	0
Aluminum	ppm	2	3	4	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	<1	1	1
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	4	4	4
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	56	79	70	64
Magnesium	ppm	3	4	6	5
Zinc	ppm	8	33	25	16
Phosphorus	ppm	1592	2004	1642	1506
Barium	ppm	1	0	0	0
Boron	ppm	32	46	54	72

Diagnosis

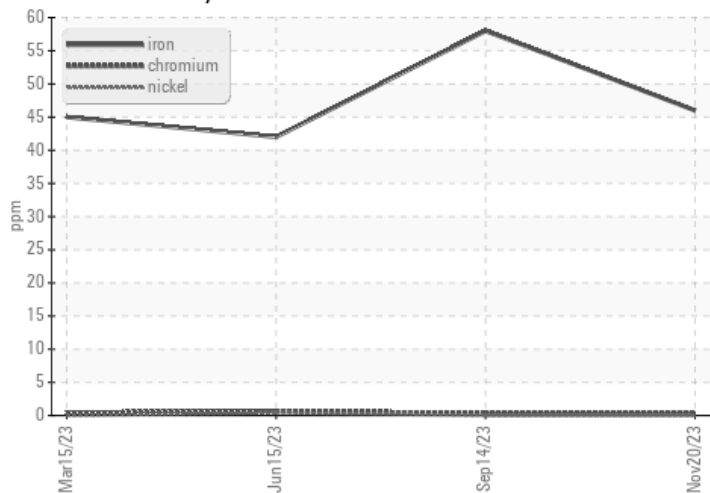
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: RECBRILH
 Unique No: 10849973
 Signed: Don Baldrige
 Report Date: 31 Jan 2024

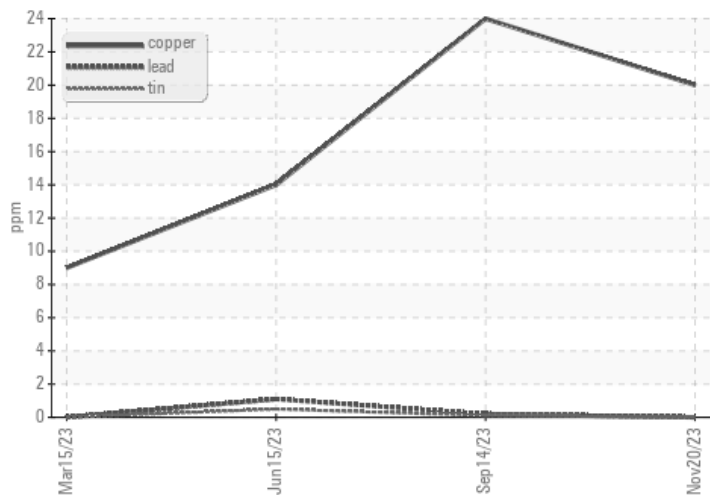


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

