

LIEBHERR

CONSTRUCTION EQUIPMENT



[[KIMMEL]] LIEBHERR LH50 145582-1216 - Splitter Box

Sample No: LH0272944

Oil Type: LIEBHERR GEAR BASIC 90 LS



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SAMPLE INFORMATION

Sample Number	LH0272944	LH0268526	LH0243268	LH0243208
Sample Date	20 Nov 2023	14 Sep 2023	15 Jun 2023	15 Mar 2023
Machine Hours	2062	1633	1005	461
Oil Hours	0	992	0	461
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	185	182	188	189
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	0	<1	1	2
Sodium	ppm	0	1	2	5
Potassium	ppm	<1	1	3	<1



WEAR METALS

Iron	ppm	7	8	11	13
Copper	ppm	<1	1	2	1
Lead	ppm	0	0	1	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	2	<1	2	0
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	1	2
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	45	81	28	49
Magnesium	ppm	2	1	6	4
Zinc	ppm	16	51	18	31
Phosphorus	ppm	2167	2217	1959	1518
Barium	ppm	0	0	0	0
Boron	ppm	<1	3	<1	<1

Diagnosis

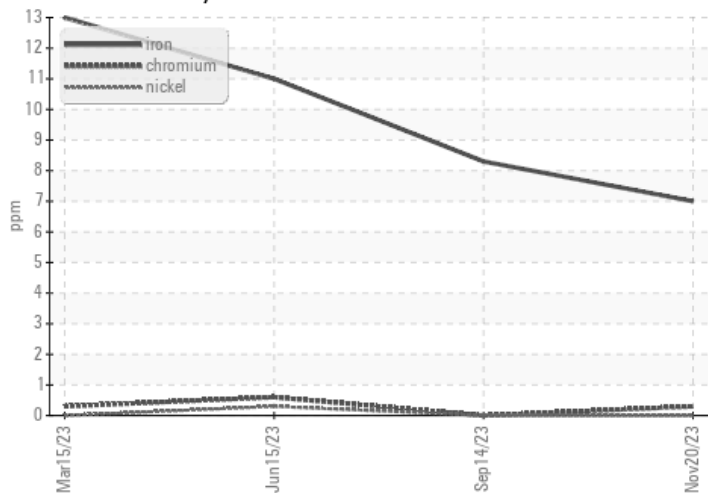
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: RECBRLH
 Unique No: 10849976
 Signed: Don Baldrige
 Report Date: 31 Jan 2024

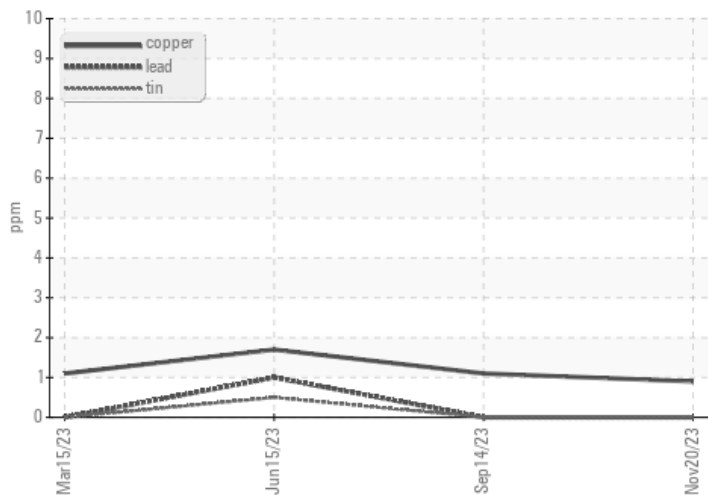


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

