

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 1204-75634 - Front Right Wheel Hub

Sample No: LH0243412

Oil Type: LIEBHERR GEAR BASIC 90 LS



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SAMPLE INFORMATION

Sample Number	LH0243412	LH0207642	LH0185371	LHMC133300
Sample Date	10 Aug 2023	16 Mar 2022	27 Aug 2021	06 Dec 2019
Machine Hours	15947	15048	13973	11965
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	179	190	179	133
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CONTAMINATION

Silicon	ppm	0	<1	<1	3
Sodium	ppm	2	3	2	1
Potassium	ppm	0	0	1	7



WEAR METALS

Iron	ppm	8	11	10	18
Copper	ppm	0	1	2	2
Lead	ppm	0	0	2	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	0	<1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	<1	<1	4
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	<1	1
Silver	ppm	0	<1	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	13	23	12	74
Magnesium	ppm	2	1	3	25
Zinc	ppm	6	8	10	49
Phosphorus	ppm	2347	2305	2086	1616
Barium	ppm	0	0	0	<1
Boron	ppm	6	15	72	254

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: LEC0008
 Unique No: 10608970
 Signed: Sean Felton
 Report Date: 21 Aug 2023

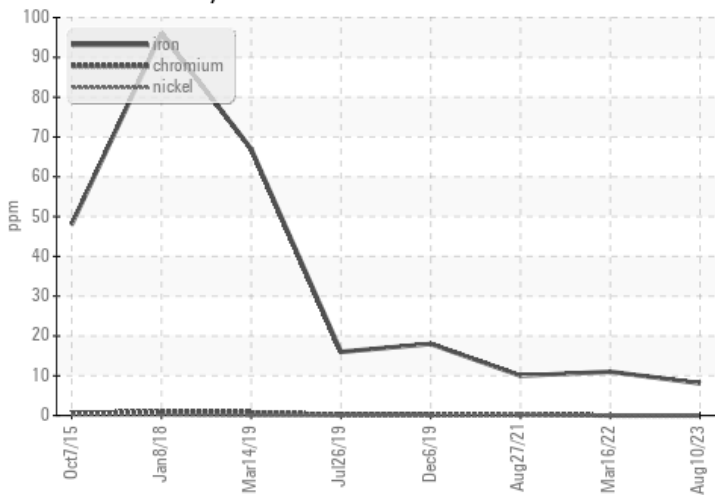
LIEBHERR

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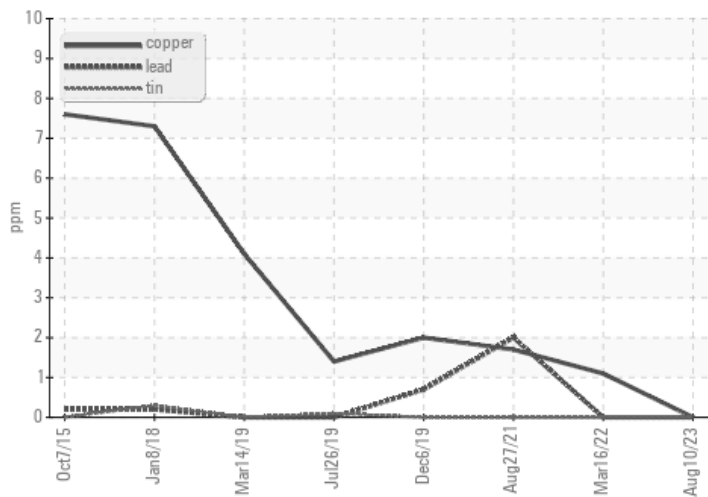


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

