

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 1204-91655 - Front Left Wheel Hub

Sample No: LH0243887

Oil Type: LIEBHERR GEAR BASIC 90 LS



LIEBHERR EQUIPMENT SOURCE

4100 CHESTNUT AVENUE
NEWPORT NEWS, VA
US 23607

Contact: LUKE APPLEBY
Lucas.Appleby@liebherr.com
T:
F: (757)298-8700



SAMPLE INFORMATION

Sample Number	LH0243887	LHMC102854	LHMC121227	---
Sample Date	27 Feb 2024	08 Mar 2018	10 Nov 2017	---
Machine Hours	17102	2994	2075	---
Oil Hours	0	1000	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	156	141.2	185.5	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	5	14	2	---
Sodium	ppm	1	4	4	---
Potassium	ppm	3	8	6	---



WEAR METALS

Iron	ppm	381	9	112	---
Copper	ppm	19	22	6	---
Lead	ppm	<1	0	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	2	1	1	---
Chromium	ppm	5	<1	1	---
Molybdenum	ppm	<1	<1	0	---
Nickel	ppm	1	<1	<1	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	5	<1	2	---
Vanadium	ppm	<1	<1	2	---



ADDITIVES

Calcium	ppm	40	265	18	---
Magnesium	ppm	4	2	1	---
Zinc	ppm	31	79	15	---
Phosphorus	ppm	464	1978	1002	---
Barium	ppm	49	1	300	---
Boron	ppm	0	7	3	---

Diagnosis

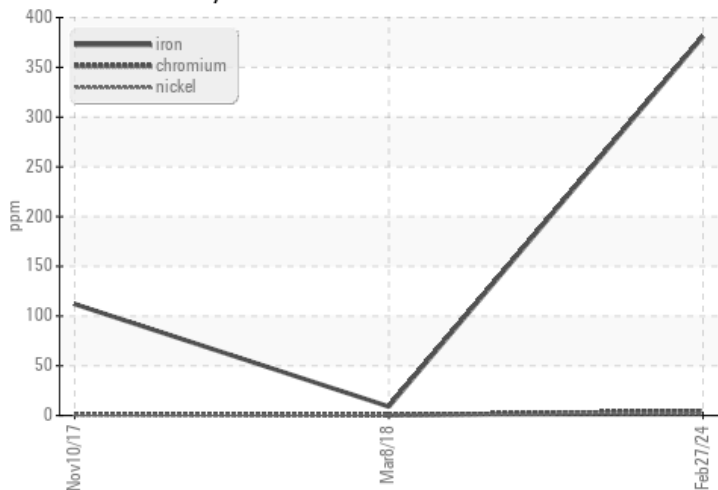
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEBHERRUS
Unique No: 10914458
Signed: Don Baldrige
Report Date: 09 Mar 2024

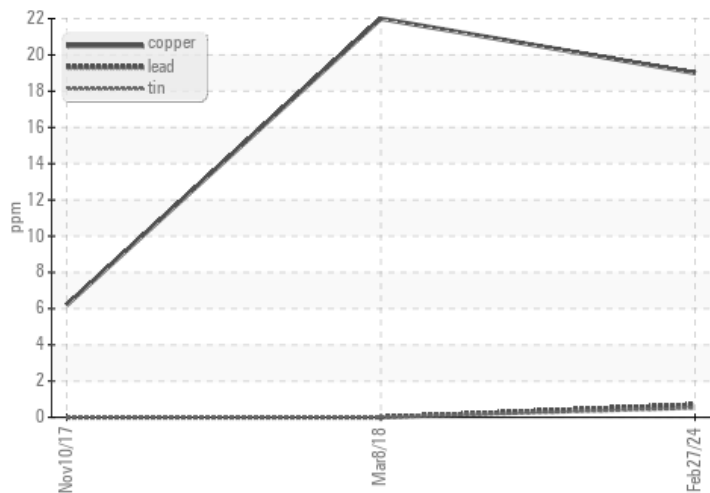


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

