

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60M 1204-91655 - Front Differential

Sample No: LH0243889

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### LIEBHERR EQUIPMENT SOURCE

4100 CHESTNUT AVENUE  
NEWPORT NEWS, VA  
US 23607

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#### SAMPLE INFORMATION

Sample Number	LH0243889	LHMC104004	LHMC121229	---
Sample Date	22 Feb 2024	08 Mar 2018	10 Nov 2017	---
Machine Hours	17102	2994	2075	---
Oil Hours	0	1000	1000	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	ATTENTION	NORMAL	---



#### OIL CONDITION

Visc @ 40°C	cSt	141	67.34	185.0	---
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	5	7	4	---
Sodium	ppm	3	4	3	---
Potassium	ppm	1	3	10	---



#### WEAR METALS

Iron	ppm	102	21	8	---
Copper	ppm	15	7	15	---
Lead	ppm	0	0	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	1	<1	<1	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	3	<1	<1	---
Vanadium	ppm	0	<1	0	---



#### ADDITIVES

Calcium	ppm	60	2276	8	---
Magnesium	ppm	3	14	0	---
Zinc	ppm	52	846	9	---
Phosphorus	ppm	1991	2283	1039	---
Barium	ppm	0	21	316	---
Boron	ppm	2	55	2	---

#### Diagnosis

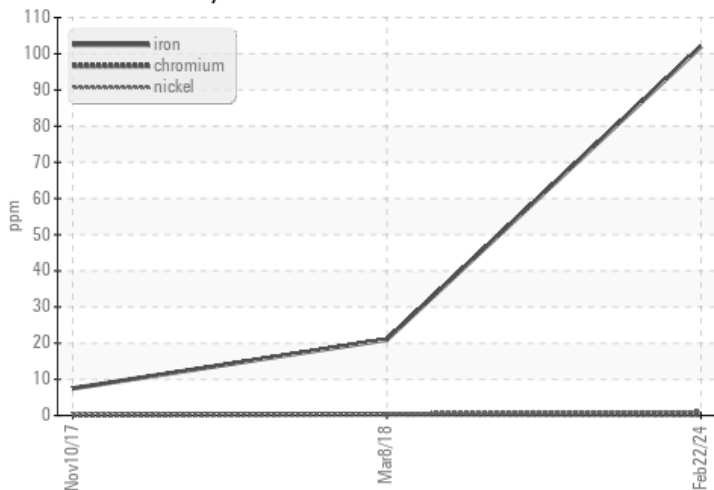
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEBHERRUS  
Unique No: 10915870  
Signed: Jonathan Hester  
Report Date: 11 Mar 2024

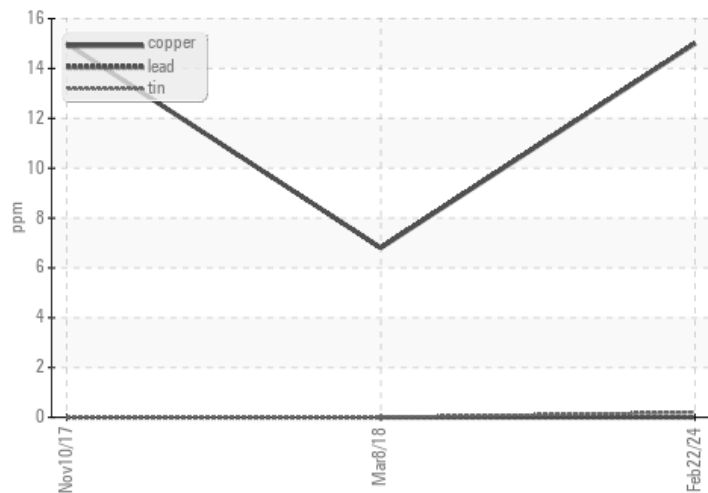


### GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

