

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH40M 087885-1202 - Front Left Wheel Hub

Sample No: LH0258372

Oil Type: {unknown}



#### Sample Information

Sample Number	LH0258372	LHMC155049	---	---
Sample Date	28 Apr 2024	21 Nov 2019	---	---
Machine Hours	15270	0	---	---
Oil Hours	0	1000	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	SEVERE	NORMAL	---	---

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 dmiano@heavymachinesinc.com  
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#### Oil Condition

Visc @ 40°C	cSt	● 138	● 139	---	---
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#### Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	● 12	● 7	---	---
Sodium	ppm	● 9	● 16	---	---
Potassium	ppm	● <1	● 8	---	---



#### Wear Metals

Iron	ppm	● 1807	● 216	---	---
Copper	ppm	● 11	● 15	---	---
Lead	ppm	● 0	● 0	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 1	● 4	---	---
Chromium	ppm	● 6	● 1	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	● <1	● 0	---	---
Titanium	ppm	● <1	● <1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	14	5	---	---
Vanadium	ppm	<1	0	---	---



#### Additives

Calcium	ppm	49	153	---	---
Magnesium	ppm	4	2	---	---
Zinc	ppm	40	61	---	---
Phosphorus	ppm	1232	1584	---	---
Barium	ppm	<1	<1	---	---
Boron	ppm	27	4	---	---

#### Diagnosis

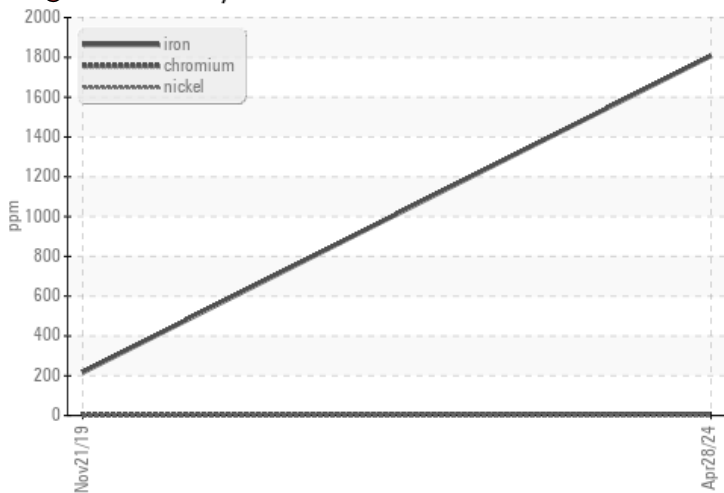
The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: HEATHE  
 Unique No: 11008436  
 Signed: Don Baldrige  
 Report Date: 07 May 2024

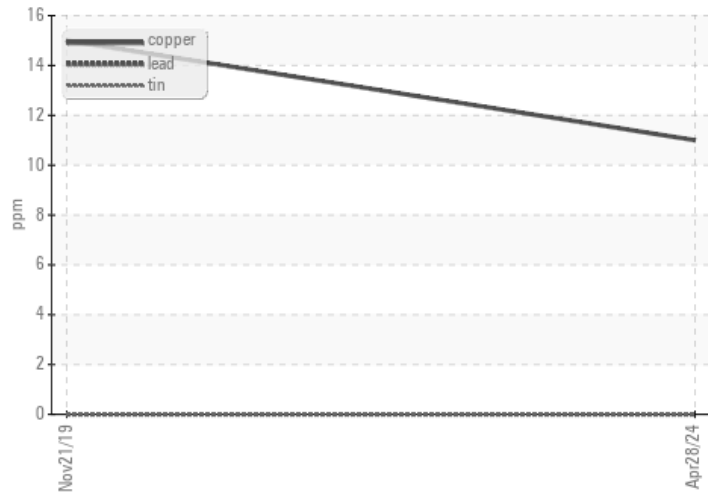


### Graphs

#### ● Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

