

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH40M 087885-1202 - Splitter Box

Sample No: LH0258374

Oil Type: GEAR OIL SAE 80W90



#### Sample Information

Sample Number	LH0258374	LHMC155061	---	---
Sample Date	28 Apr 2024	21 Nov 2019	---	---
Machine Hours	15270	0	---	---
Oil Hours	0	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

**HEAVY MACHINES INC**  
 7651 THEODORE DAWES RD  
 THEODORE, AL  
 US 36582  
 Contact: DAVID MIANO  
 dmiano@heavymachinesinc.com  
 T: x:  
 F: x:



#### Oil Condition

Visc @ 40°C	cSt	91.7	135	---	---
-------------	-----	------	-----	-----	-----



#### Contamination

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



#### Wear Metals

Iron	ppm	176	109	---	---
Copper	ppm	2	16	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	9	5	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	2	1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	2	---	---
Vanadium	ppm	0	0	---	---



#### Additives

Calcium	ppm	125	60	---	---
Magnesium	ppm	5	1	---	---
Zinc	ppm	164	47	---	---
Phosphorus	ppm	949	714	---	---
Barium	ppm	0	0	---	---
Boron	ppm	103	22	---	---

#### Diagnosis

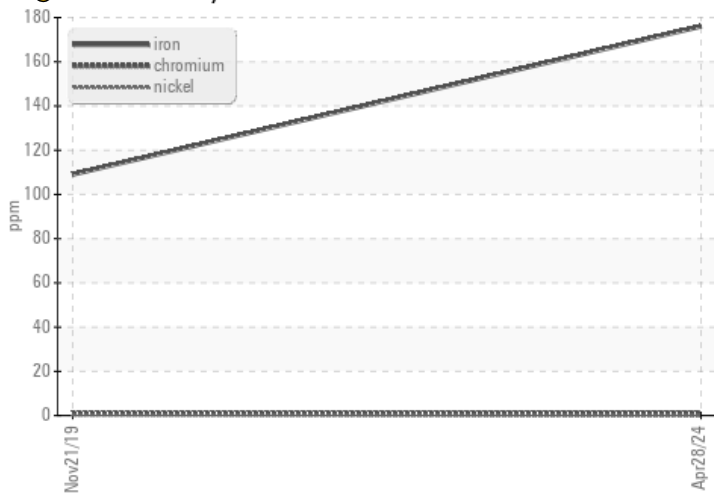
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The iron level is abnormal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type.

Depot: HEATHE  
 Unique No: 11009934  
 Signed: Jonathan Hester  
 Report Date: 08 May 2024

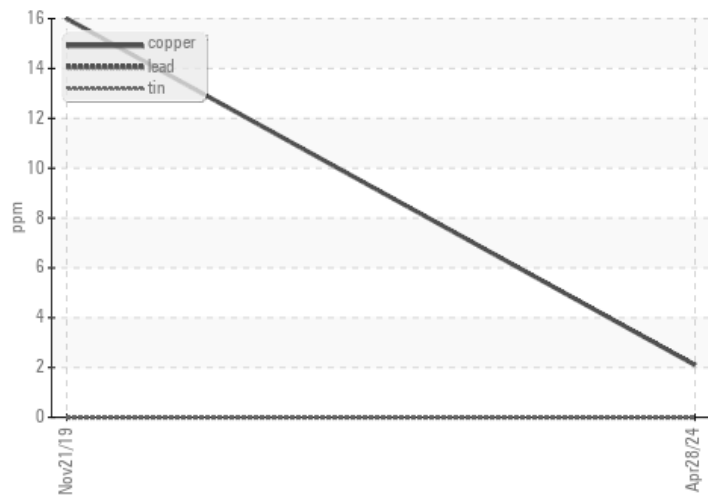


### Graphs

#### ● Ferrous Alloys



#### Non-ferrous Metals



#### ● Viscosity @ 40°C

