

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60M 1204-74217 - Front Right Wheel Hub

Sample No: LH0268896

Oil Type: LIEBHERR GEAR BASIC 90 LS



**MIDDLE RIVER MARINE**  
 1771 SOUTH TORRENCE AVE  
 CHICAGO, IL  
 US 60617  
 Contact: Scott Molitor  
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 T:  
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#### Sample Information

Sample Number	LH0268896	LH0268898	LHMC121033	LHMC92418
Sample Date	09 Apr 2024	09 Apr 2024	10 Aug 2017	31 Mar 2017
Machine Hours	14693	14693	8752	7383
Oil Hours	1000	1000	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION



#### Oil Condition

Visc @ 40°C	cSt	155	126	177.2	275.3
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#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	2	2
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	<1	0	8	0



#### Wear Metals

Iron	ppm	84	6	165	221
Copper	ppm	6	<1	23	32
Lead	ppm	0	0	<1	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	<1	0	2	2
Chromium	ppm	<1	0	2	2
Molybdenum	ppm	0	0	0	2
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	2	3
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	14	8	11	12
Magnesium	ppm	3	0	<1	1
Zinc	ppm	6	0	19	20
Phosphorus	ppm	1240	801	1032	396
Barium	ppm	0	0	31	67
Boron	ppm	20	59	156	1

#### Diagnosis

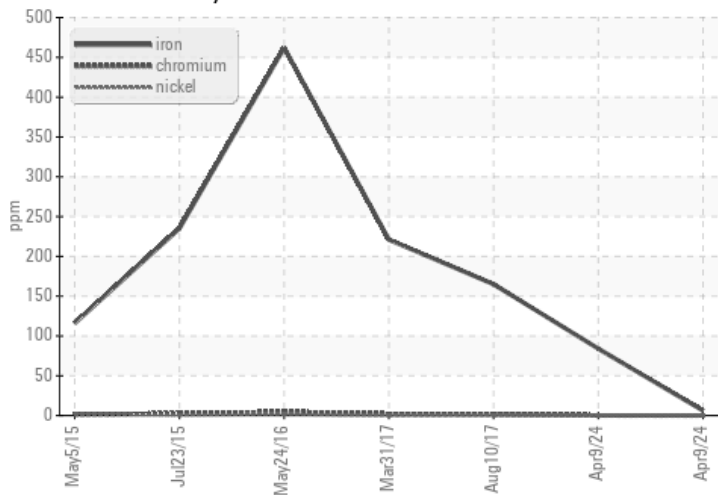
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: MIDCHIL  
 Unique No: 11004478  
 Signed: Wes Davis  
 Report Date: 30 Apr 2024

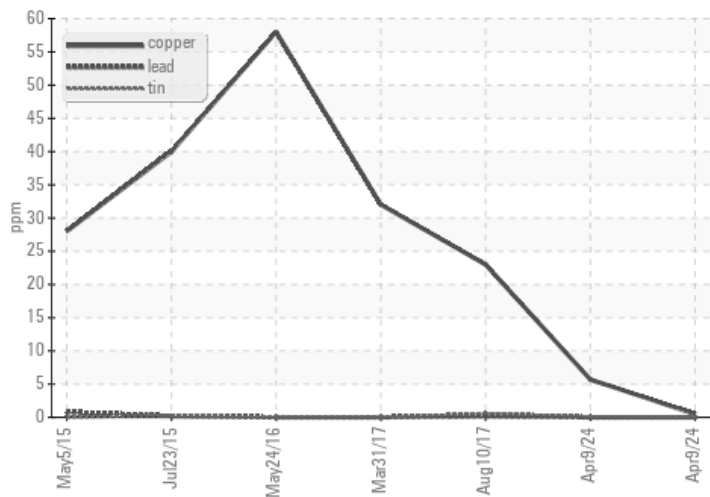


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

