

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60 014705 - Left Final Drive

Sample No: LH06058901

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	LH06058901	---	---	---
Sample Date	15 Dec 2023	---	---	---
Machine Hours	438	---	---	---
Oil Hours	438	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 174	---	---	---
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#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 2	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● 3	---	---	---



#### WEAR METALS

Iron	ppm	● 77	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	● 45	---	---	---
Magnesium	ppm	● 4	---	---	---
Zinc	ppm	● 25	---	---	---
Phosphorus	ppm	● 2916	---	---	---
Barium	ppm	● 7	---	---	---
Boron	ppm	● 0	---	---	---

#### 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:** 10830283  
**Signed:** Angela Borella  
**Report Date:** 22 Jan 2024



### GRAPHS

