

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 035543-461 - Front Left Wheel Hub

Sample No: LH0268799

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0268799	LHMC97141	---	---
Sample Date	30 Jan 2024	24 Sep 2015	---	---
Machine Hours	17019	495	---	---
Oil Hours	500	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

#### MIDDLE RIVER MARINE

1771 SOUTH TORRENCE AVE  
CHICAGO, IL

US 60617

Contact: Scott Molitor

scottmolitor@gomiddleriver.com

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#### OIL CONDITION

Visc @ 40°C	cSt	133	176.0	---	---
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#### CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	2	15	---	---
Sodium	ppm	2	6	---	---
Potassium	ppm	2	<1	---	---



#### WEAR METALS

Iron	ppm	48	134	---	---
Copper	ppm	7	85	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	<1	2	---	---
Chromium	ppm	<1	1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	3	50	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	25	146	---	---
Magnesium	ppm	5	0	---	---
Zinc	ppm	11	84	---	---
Phosphorus	ppm	1629	1805	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	240	3	---	---

#### Diagnosis

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

Depot: MIDCHILL

Unique No: 10884149

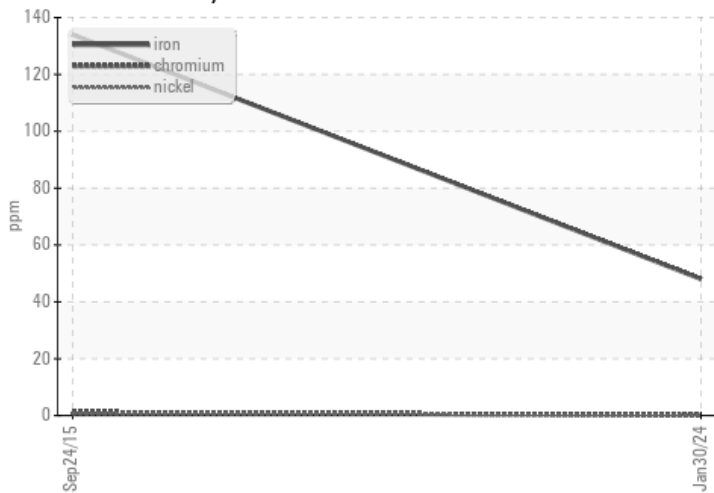
Signed: Don Baldrige

Report Date: 18 Feb 2024

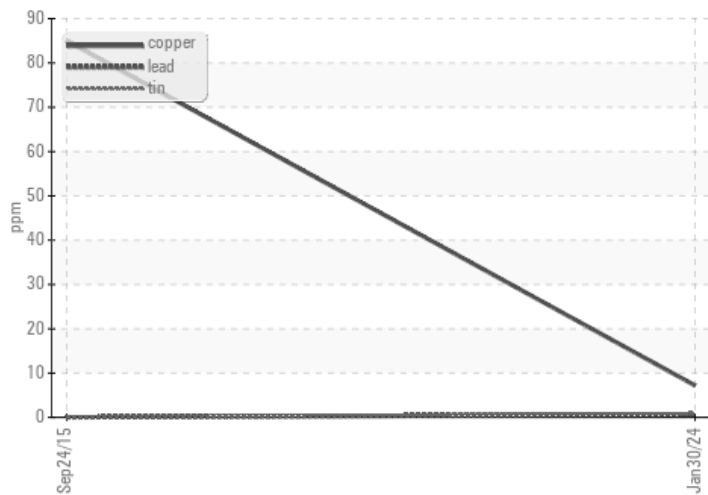


### GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

