

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 035543-461 - Rear Right Wheel Hub

Sample No: LH0268826

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90



#### SAMPLE INFORMATION

Sample Number	LH0268826	LHMC97135	---	---
Sample Date	30 Jan 2024	24 Sep 2015	---	---
Machine Hours	17019	495	---	---
Oil Hours	1000	0	---	---
Oil Changed	Changed	N/A	---	---
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	134	194.3	---	---
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#### CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	2	12	---	---
Sodium	ppm	1	3	---	---
Potassium	ppm	<1	0	---	---



#### WEAR METALS

Iron	ppm	44	66	---	---
Copper	ppm	10	58	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	3	45	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	26	17	---	---
Magnesium	ppm	5	0	---	---
Zinc	ppm	11	68	---	---
Phosphorus	ppm	1561	1789	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	225	<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: 10884147

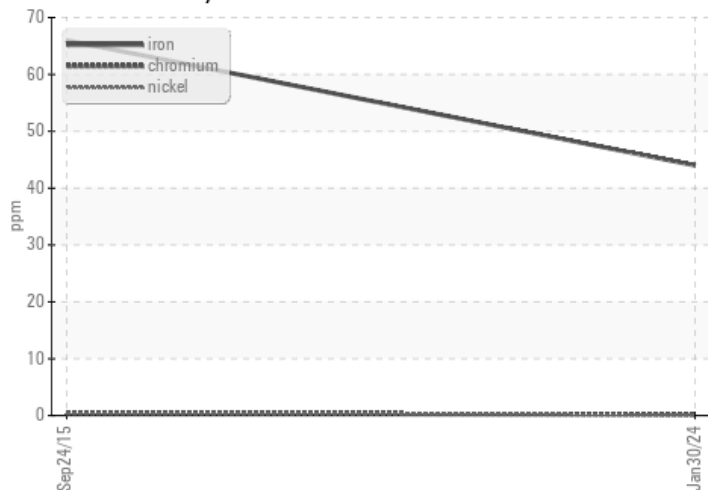
Signed: Sean Felton

Report Date: 19 Feb 2024

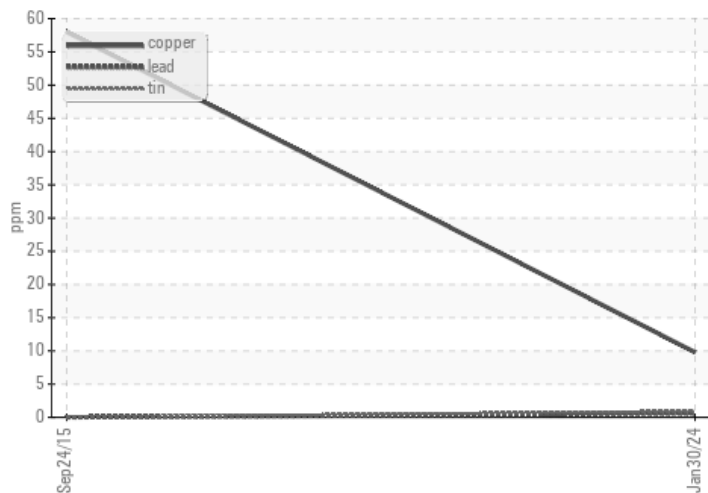


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

