

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 069044-1761- Splitter Box

Sample No: LH0267649

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0267649	LHMC155718	---	---
Sample Date	22 Nov 2023	27 Oct 2022	---	---
Machine Hours	1985	760	---	---
Oil Hours	0	760	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

**MIDDLE RIVER MARINE**  
 1771 SOUTH TORRENCE AVE  
 CHICAGO, IL  
 US 60617  
 Contact: Scott Molitor  
 scottmolitor@gomiddleriver.com  
 T:  
 F:



#### OIL CONDITION

Visc @ 40°C	cSt	● 112	● 169	---	---
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#### CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	● 4	● 2	---	---
Sodium	ppm	● 1	● 2	---	---
Potassium	ppm	● <1	● 1	---	---



#### WEAR METALS

Iron	ppm	● 28	● 57	---	---
Copper	ppm	● 0	● 4	---	---
Lead	ppm	● <1	● <1	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● <1	● 2	---	---
Chromium	ppm	● <1	● <1	---	---
Molybdenum	ppm	● 6	● 4	---	---
Nickel	ppm	● 2	● 9	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● <1	● 2	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	● 166	● 135	---	---
Magnesium	ppm	● 1	● 6	---	---
Zinc	ppm	● 101	● 125	---	---
Phosphorus	ppm	● 782	● 2189	---	---
Barium	ppm	● 0	● 12	---	---
Boron	ppm	● 9	5	---	---

#### Diagnosis

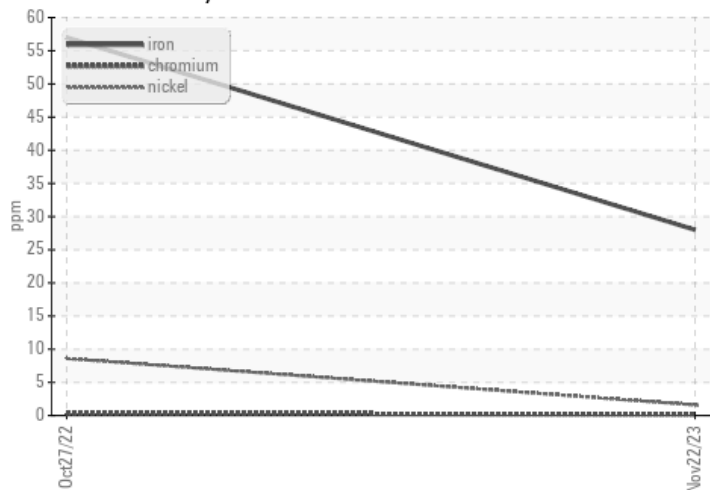
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: MIDCHIL  
 Unique No: 10831878  
 Signed: Don Baldrige  
 Report Date: 16 Jan 2024

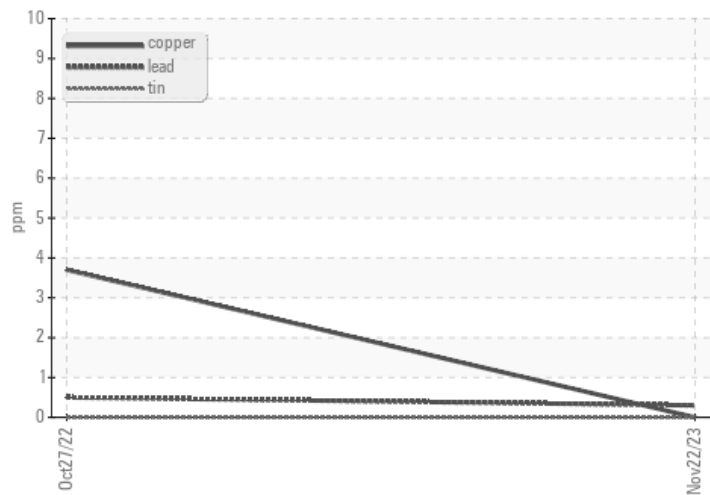


### GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

