

LIEBHERR

CONSTRUCTION EQUIPMENT



- Vibratory Drum Gearbox

Sample No: LH0258848

Oil Type: MOBIL MOBILGEAR SHC 220



Sample Information

Sample Number	LH0258848	---	---	---
Sample Date	29 Feb 2024	---	---	---
Machine Hours	7106	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	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	● 251	---	---	---
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Contamination

Water	%	NEG	---	---	---
Silicon	ppm	10	---	---	---
Sodium	ppm	● 153	---	---	---
Potassium	ppm	● 2	---	---	---

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.



Wear Metals

Iron	ppm	● 11	---	---	---
Copper	ppm	0	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	0	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 4	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 0	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	● 88	---	---	---
Magnesium	ppm	● 0	---	---	---
Zinc	ppm	● 41	---	---	---
Phosphorus	ppm	● 309	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 240	---	---	---

Depot: MIDCHILL

Unique No: 11002909

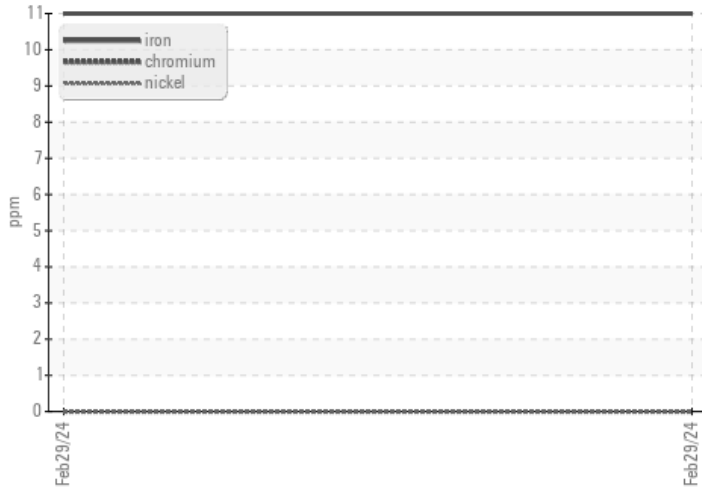
Signed: Don Baldrige

Report Date: 30 Apr 2024

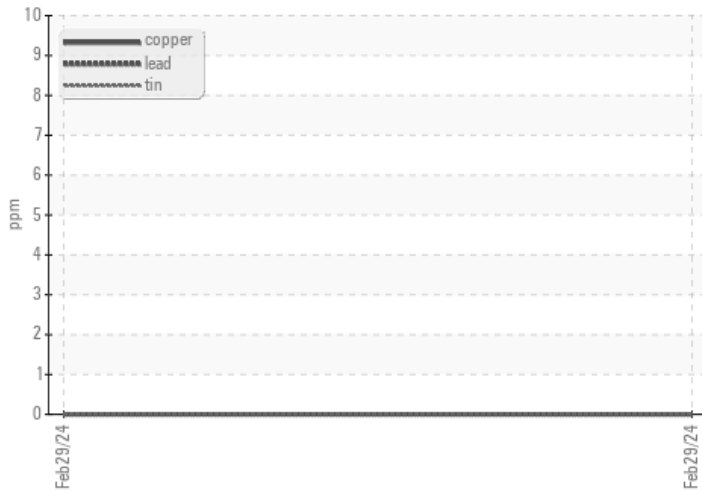


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

