

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60C1212-70843 - Splitter Box

Sample No: LH0267351

Oil Type: LIEBHERR GEAR BASIC 90 LS



MIDDLE GROUND MARINE INC
 500 BARNES RD
 CHESAPEAKE, VA
 US 23324
 Contact:

T:
 F:



SAMPLE INFORMATION

Sample Number	LH0267351	---	---	---
Sample Date	21 Aug 2023	---	---	---
Machine Hours	3522	---	---	---
Oil Hours	3522	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 194	---	---	---
-------------	-----	-------	-----	-----	-----



CONTAMINATION

Silicon	ppm	● 1	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● 1	---	---	---



WEAR METALS

Iron	ppm	● 18	---	---	---
Copper	ppm	● 2	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 5	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	● 16	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 29	---	---	---
Phosphorus	ppm	● 2267	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 3	---	---	---

Diagnosis

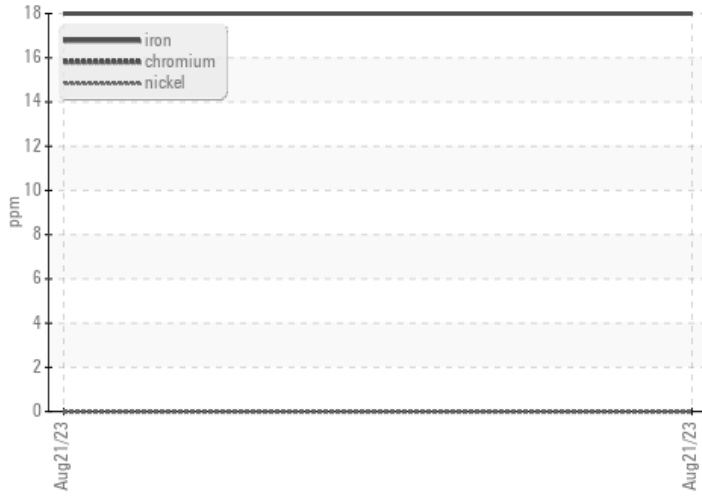
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: MIDCHE
 Unique No: 10615838
 Signed: Sean Felton
 Report Date: 23 Aug 2023

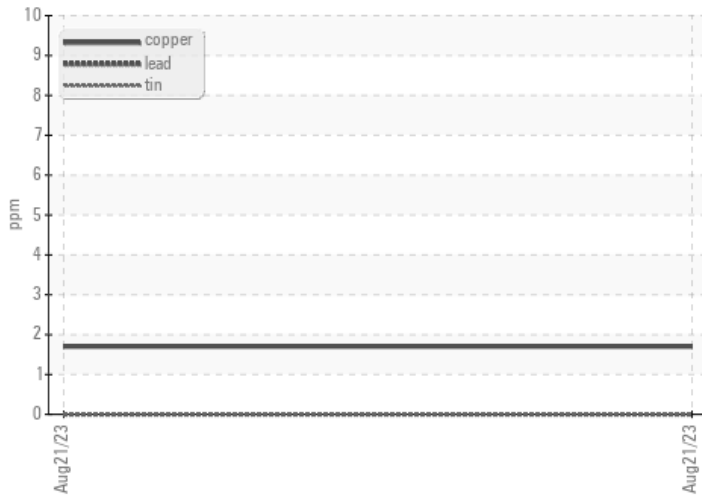


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

