

LIEBHERR

CONSTRUCTION EQUIPMENT



ASTEFT4250 416898 - Right Final Drive

Sample No: LH0258849

Oil Type: GEAR OIL SAE 80W90



Sample Information

Sample Number	LH0258849	LH0217379	LHMC130086	---
Sample Date	29 Feb 2024	20 May 2022	26 Feb 2021	---
Machine Hours	7106	5172	3978	---
Oil Hours	1000	0	0	---
Oil Changed	Changed	N/A	Changed	---
Sample Status	NORMAL	ABNORMAL	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	133	120	133	---
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Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	2	27	1	---
Sodium	ppm	4	47	1	---
Potassium	ppm	0	7	<1	---



Wear Metals

Iron	ppm	39	373	12	---
Copper	ppm	2	11	0	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	0	6	<1	---
Chromium	ppm	<1	17	<1	---
Molybdenum	ppm	<1	<1	0	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	1	15	<1	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	0	117	11	---
Magnesium	ppm	0	12	0	---
Zinc	ppm	0	16	0	---
Phosphorus	ppm	1200	411	1019	---
Barium	ppm	0	5	0	---
Boron	ppm	223	4	185	---

Diagnosis

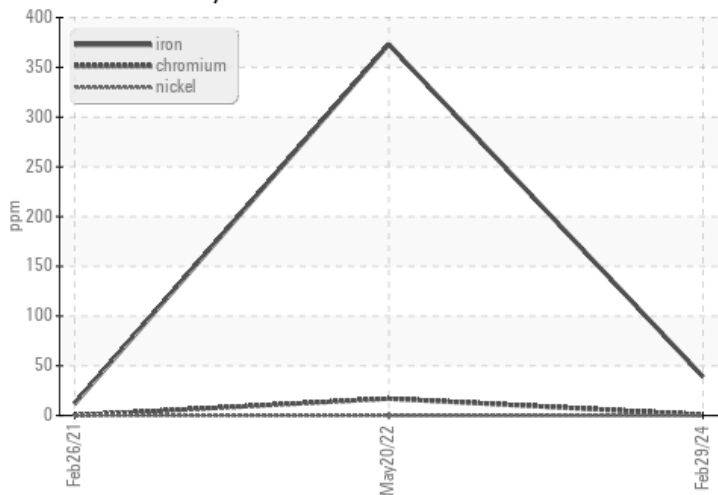
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: MIDCHIL
 Unique No: 11002918
 Signed: Wes Davis
 Report Date: 29 Apr 2024

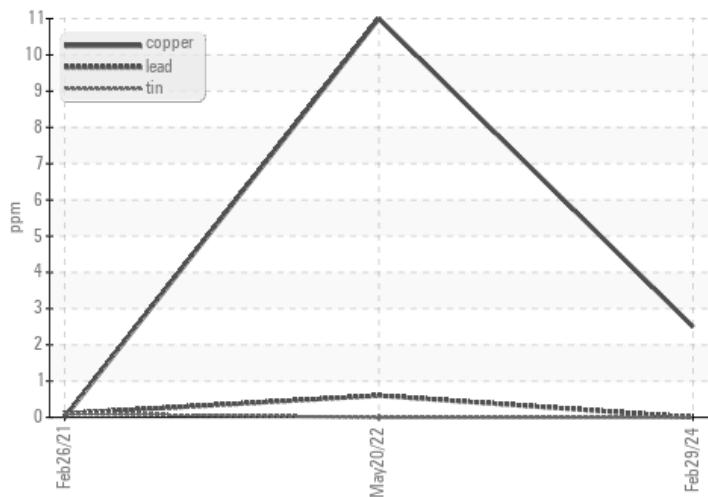


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

