

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 120561-1217 - Splitter Box

Sample No: LH0253867

Oil Type: GEAR OIL SAE 80W90



AMERICAN STATE EQUIPMENT CO.
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SAMPLE INFORMATION

Sample Number	LH0253867	LH0199944	---	---
Sample Date	08 Sep 2023	11 Feb 2022	---	---
Machine Hours	3762	983	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 153	● 186	---	---
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CONTAMINATION

Silicon	ppm	● <1	● 4	---	---
Sodium	ppm	● 3	● 4	---	---
Potassium	ppm	● 0	● <1	---	---



WEAR METALS

Iron	ppm	● 44	● 43	---	---
Copper	ppm	● 1	● 11	---	---
Lead	ppm	● 0	● 0	---	---
Tin	ppm	● <1	● <1	---	---
Aluminum	ppm	● 2	● <1	---	---
Chromium	ppm	● 0	● <1	---	---
Molybdenum	ppm	● 1	<1	---	---
Nickel	ppm	● 0	● <1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	● <1	1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 42	8	---	---
Magnesium	ppm	● 2	1	---	---
Zinc	ppm	● 41	11	---	---
Phosphorus	ppm	● 1095	1231	---	---
Barium	ppm	● 0	377	---	---
Boron	ppm	0	3	---	---

Diagnosis

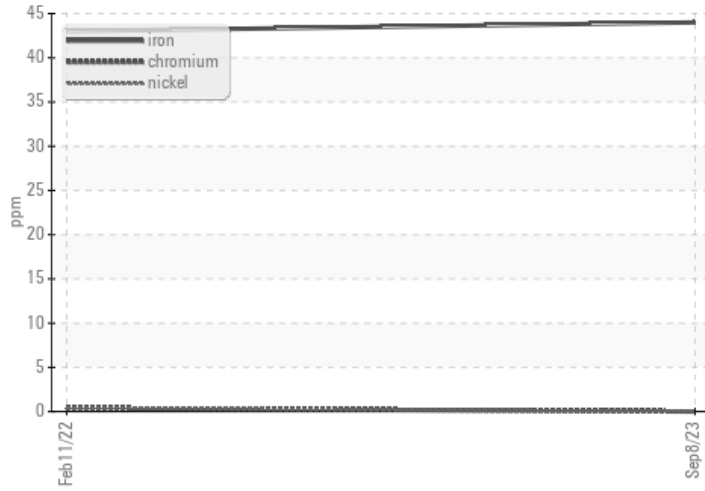
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 10670878
 Signed: Don Baldrige
 Report Date: 01 Oct 2023

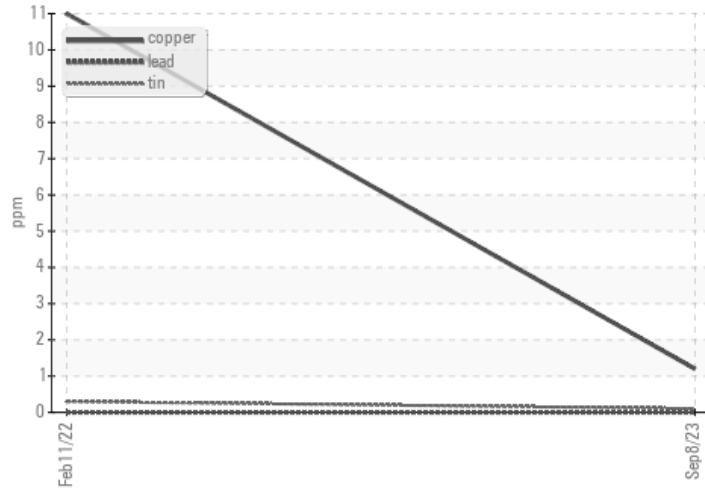


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

