

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 107076-1216 - Pump Drive

Sample No: LH0254692

Oil Type: GEAR OIL LS 80W90



AMERICAN STATE EQUIPMENT CO.
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 WAUSAU, WI
 US 54401
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SAMPLE INFORMATION

Sample Number	LH0254692	---	---	---
Sample Date	08 Jun 2023	---	---	---
Machine Hours	8928	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 111	---	---	---
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CONTAMINATION

Silicon	ppm	● <1	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● <1	---	---	---



WEAR METALS

Iron	ppm	● 13	---	---	---
Copper	ppm	● 0	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 2	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 66	---	---	---
Magnesium	ppm	● 15	---	---	---
Zinc	ppm	● 37	---	---	---
Phosphorus	ppm	● 1002	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 31	---	---	---

Diagnosis

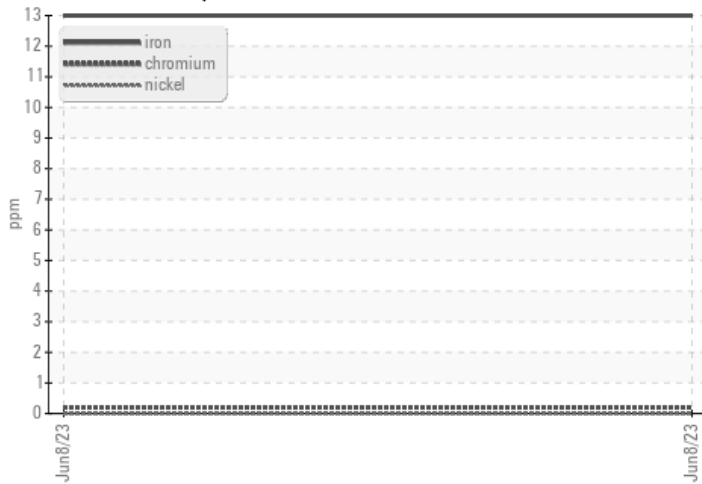
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 10535773
 Signed: Don Baldrige
 Report Date: 30 Jun 2023

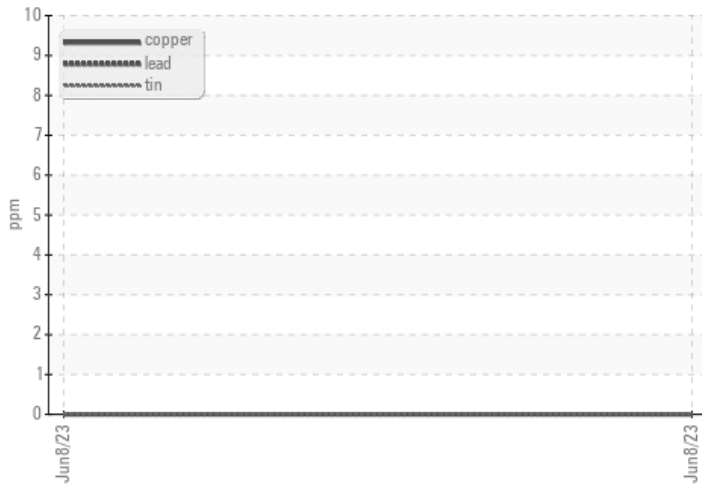


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

