

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 1216-108671 - Pump Drive

Sample No: LH0263826

Oil Type: GEAR OIL LS 80W90



AMERICAN STATE EQUIPMENT CO.
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SAMPLE INFORMATION

Sample Number	LH0263826	LH0254780	LH0236089	---
Sample Date	29 Jun 2023	12 Apr 2023	27 Jan 2023	---
Machine Hours	17296	16979	15891	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	115	111	112	---
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CONTAMINATION

Silicon	ppm	1	1	1	---
Sodium	ppm	0	<1	0	---
Potassium	ppm	2	0	0	---



WEAR METALS

Iron	ppm	12	26	26	---
Copper	ppm	<1	<1	<1	---
Lead	ppm	<1	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	0	0	<1	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	79	139	148	---
Magnesium	ppm	14	19	27	---
Zinc	ppm	41	118	83	---
Phosphorus	ppm	693	784	629	---
Barium	ppm	2	0	0	---
Boron	ppm	6	9	16	---

Diagnosis

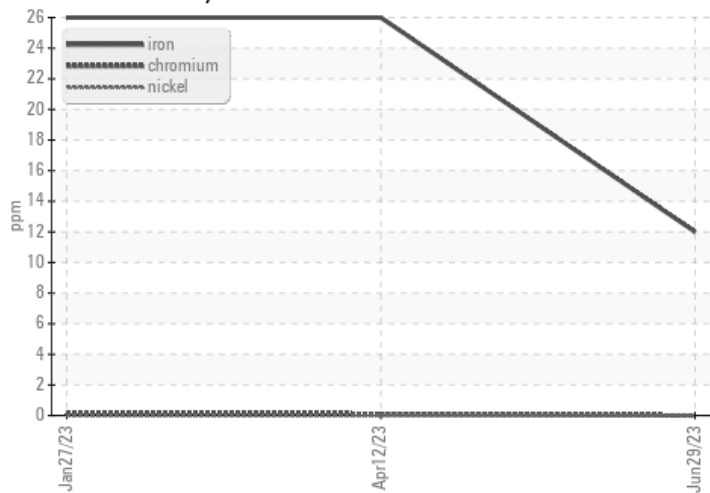
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 10546772
 Signed: Angela Borella
 Report Date: 07 Jul 2023

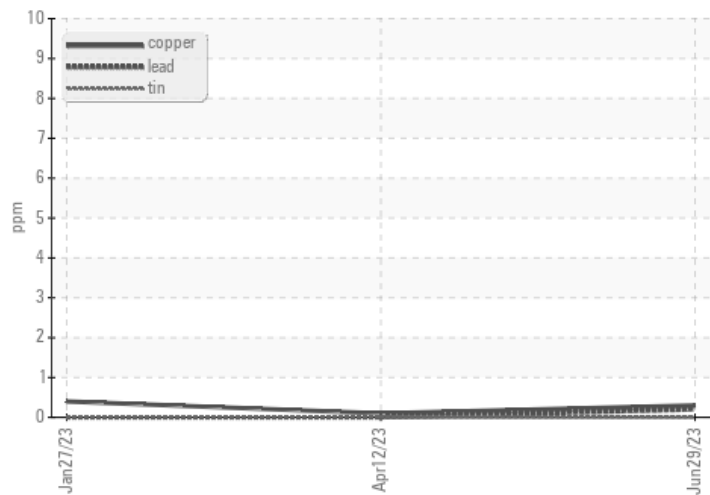


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

