

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 1216-110224 - Swing Drive

Sample No: LHMC162640

Oil Type: GEAR OIL SAE 75W90



AHLSTROM-MUNKSJO NA SPECIALTY
 PO BOX 600
 KAUKAUNA, WI
 US 54130
 Contact: JOE SEITZ
 joe.seitz@ahlstrom-munksjo.com
 T:
 F:



SAMPLE INFORMATION

Sample Number	LHMC162640	LHMC162798	LHMC163739	---
Sample Date	02 Feb 2024	20 Jul 2023	07 Nov 2022	---
Machine Hours	9264	8255	7069	---
Oil Hours	1009	0	0	---
Oil Changed	N/A	Not Changd	N/A	---
Sample Status	MARGINAL	SEVERE	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	97.9	173	113	---
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CONTAMINATION

Water	%	0.219	0.772	NEG	---
Silicon	ppm	1	8	1	---
Sodium	ppm	0	5	<1	---
Potassium	ppm	<1	1	0	---



WEAR METALS

Iron	ppm	12	3047	40	---
Copper	ppm	3	843	10	---
Lead	ppm	<1	0	0	---
Tin	ppm	<1	38	<1	---
Aluminum	ppm	1	5	0	---
Chromium	ppm	<1	30	<1	---
Molybdenum	ppm	<1	2	0	---
Nickel	ppm	<1	4	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	<1	26	<1	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	0	21	2	---
Magnesium	ppm	0	2	0	---
Zinc	ppm	0	68	0	---
Phosphorus	ppm	2041	2444	2121	---
Barium	ppm	0	6	0	---
Boron	ppm	297	92	292	---

Diagnosis

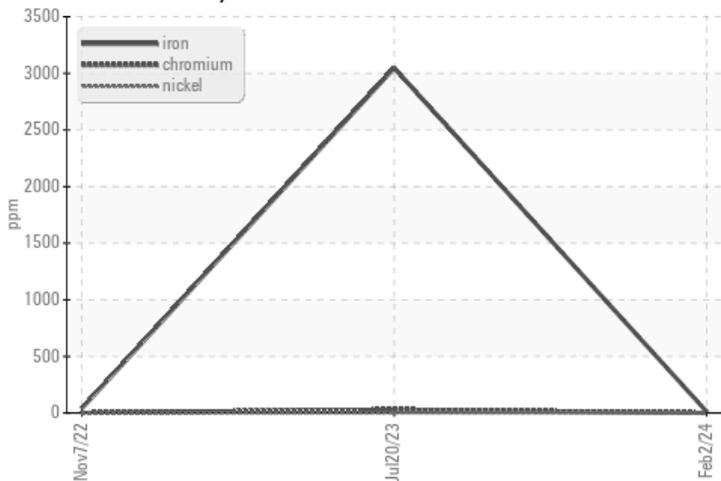
Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: AHLKAU
 Unique No: 10884199
 Signed: Don Baldrige
 Report Date: 19 Feb 2024

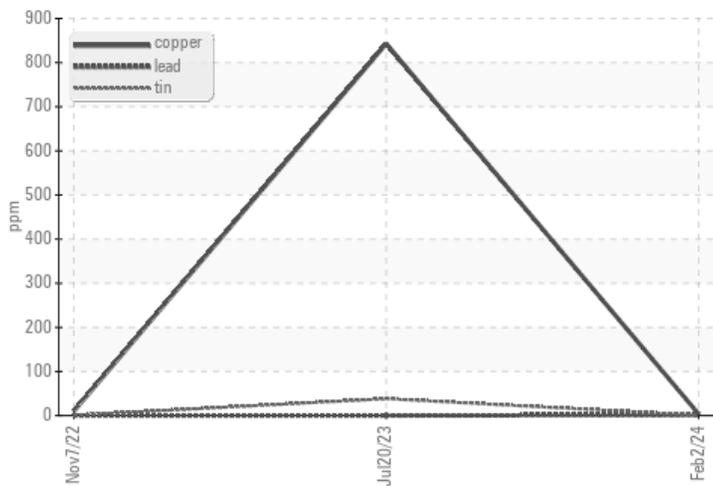


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

