

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40M 122207-1215 - Hydraulic System

Sample No: LH0273225

Oil Type: {unknown}



RECO EQUIPMENT INC.
 1040 REED DRIVE
 MONROE, OH
 US 45050
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SAMPLE INFORMATION

Sample Number	LH0273225	LH0244669	---	---
Sample Date	08 Jan 2024	17 May 2023	---	---
Machine Hours	3977	2962	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 43.2	● 41.3	---	---
Acid Number (AN)	mg KOH/g	● 1.07	● 0.89	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		● 18208	● 284	---	---
Particles >6µm		● 4821	● 88	---	---
Particles >14µm		● 430	● 16	---	---
ISO 4406:1999 (c)		21/19/16	15/14/11	---	---
Silicon	ppm	● 1	● 2	---	---
Sodium	ppm	● 2	● <1	---	---
Potassium	ppm	● 0	● 2	---	---



WEAR METALS

Iron	ppm	● 16	● 28	---	---
Copper	ppm	● 2	● 3	---	---
Lead	ppm	● 0	● <1	---	---
Tin	ppm	● 0	● <1	---	---
Aluminum	ppm	● 0	● 0	---	---
Chromium	ppm	● 2	● 4	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	● 0	● <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1046	1066	---	---
Magnesium	ppm	0	9	---	---
Zinc	ppm	612	651	---	---
Phosphorus	ppm	531	512	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Diagnosis

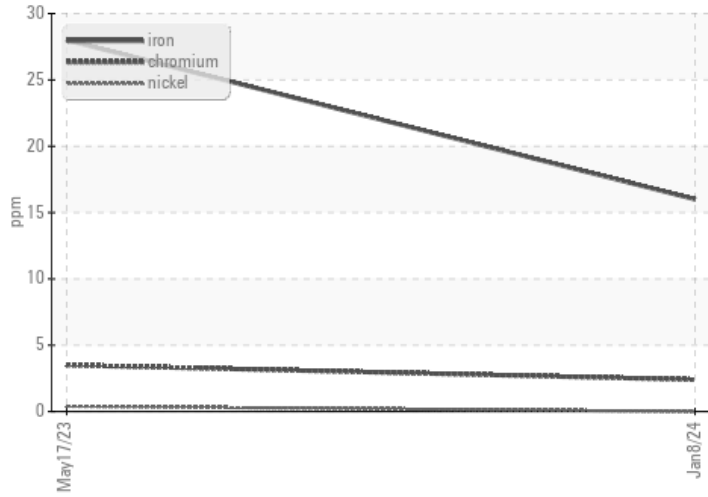
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: LEC0075
Unique No: 10832366
Signed: Jonathan Hester
Report Date: 17 Jan 2024

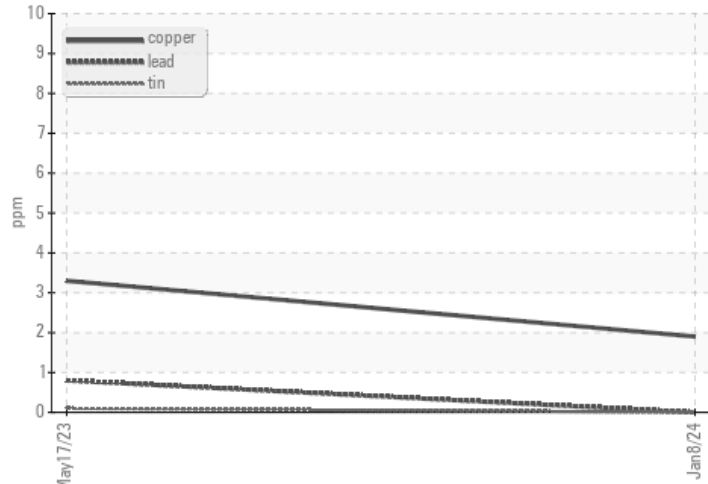


GRAPHS

Ferrous Alloys



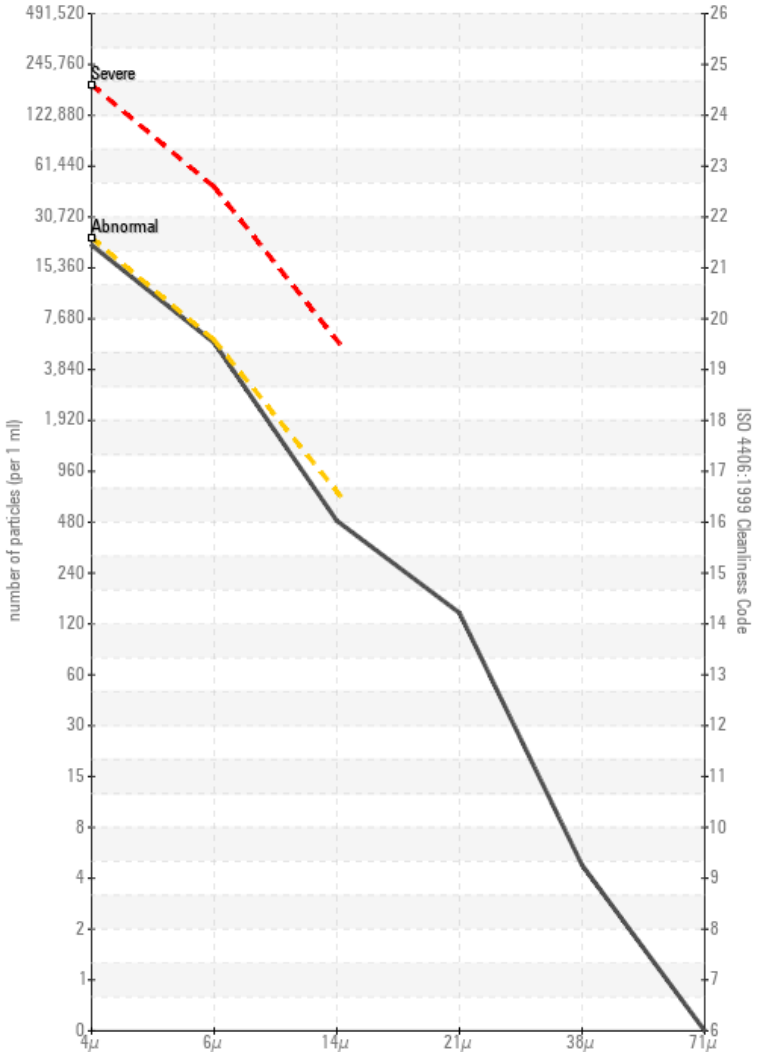
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

