

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 1217-94975 - Hydraulic System

Sample No: LHMC166781

Oil Type: AW HYDRAULIC OIL ISO 46



AMERICAN STATE EQUIPMENT CO. (RENTAL TO ARCELOR MITTAL)
138 HWY 3217
LAPLACE, LA
US 70068
Contact: SERVICE MANAGER

T: (414)541-8700
F:



Sample Information

Sample Number	LHMC166781	LHMC119742	---	---
Sample Date	10 Apr 2024	13 Jun 2019	---	---
Machine Hours	8268	5269	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	ATTENTION	---	---



Oil Condition

Visc @ 40°C	cSt	● 49.8	● 54.8	---	---
Acid Number (AN)	mg KOH/g	● 0.49	● 0.733	---	---



Contamination

Water	%	NEG	NEG	---	---
Particles >4µm		● 3155	● 17835	---	---
Particles >6µm		● 350	● 5101	---	---
Particles >14µm		● 19	● 690	---	---
ISO 4406:1999 (c)		19/16/11	21/20/17	---	---
Silicon	ppm	● <1	● <1	---	---
Sodium	ppm	● 2	● <1	---	---
Potassium	ppm	● 2	● 0	---	---



Wear Metals

Iron	ppm	● 9	● 4	---	---
Copper	ppm	● 7	● 2	---	---
Lead	ppm	● 0	● <1	---	---
Tin	ppm	● <1	● <1	---	---
Aluminum	ppm	● <1	● <1	---	---
Chromium	ppm	● <1	● <1	---	---
Molybdenum	ppm	● <1	<1	---	---
Nickel	ppm	● <1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 1	<1	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	● 249	519	---	---
Magnesium	ppm	● 15	1	---	---
Zinc	ppm	● 482	439	---	---
Phosphorus	ppm	● 393	361	---	---
Barium	ppm	● 0	0	---	---
Boron	ppm	● 0	0	---	---

Diagnosis

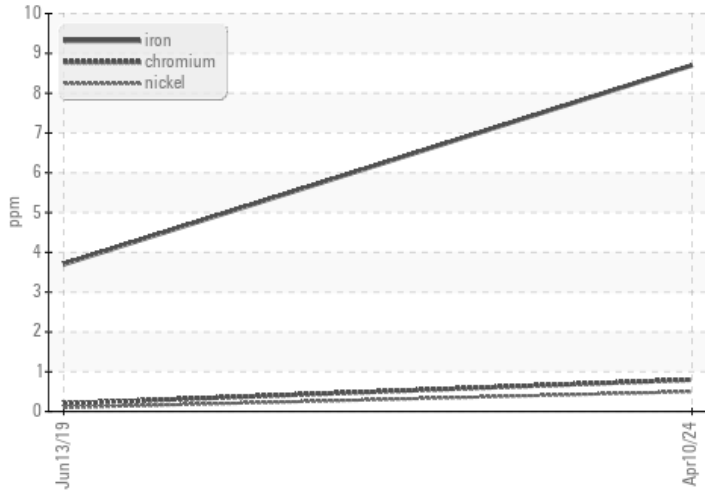
Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: AMELAP
Unique No: 10981129
Signed: Wes Davis
Report Date: 17 Apr 2024

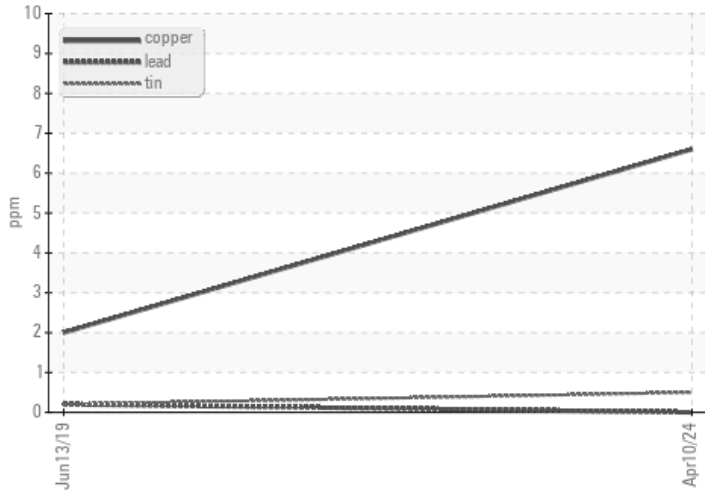


Graphs

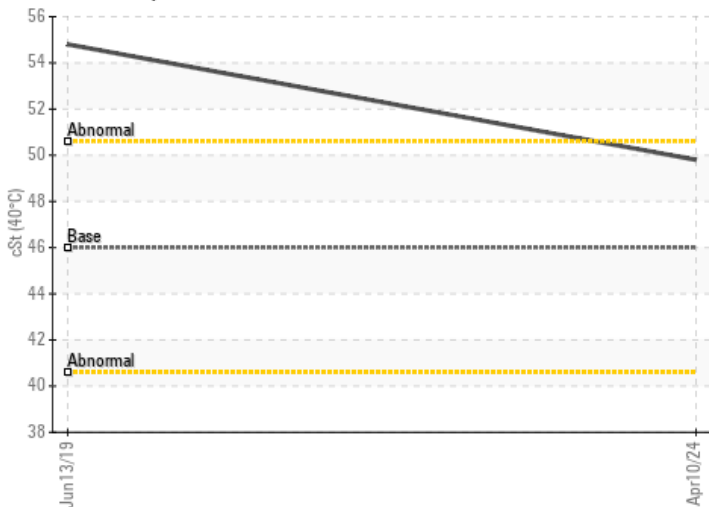
Ferrous Alloys



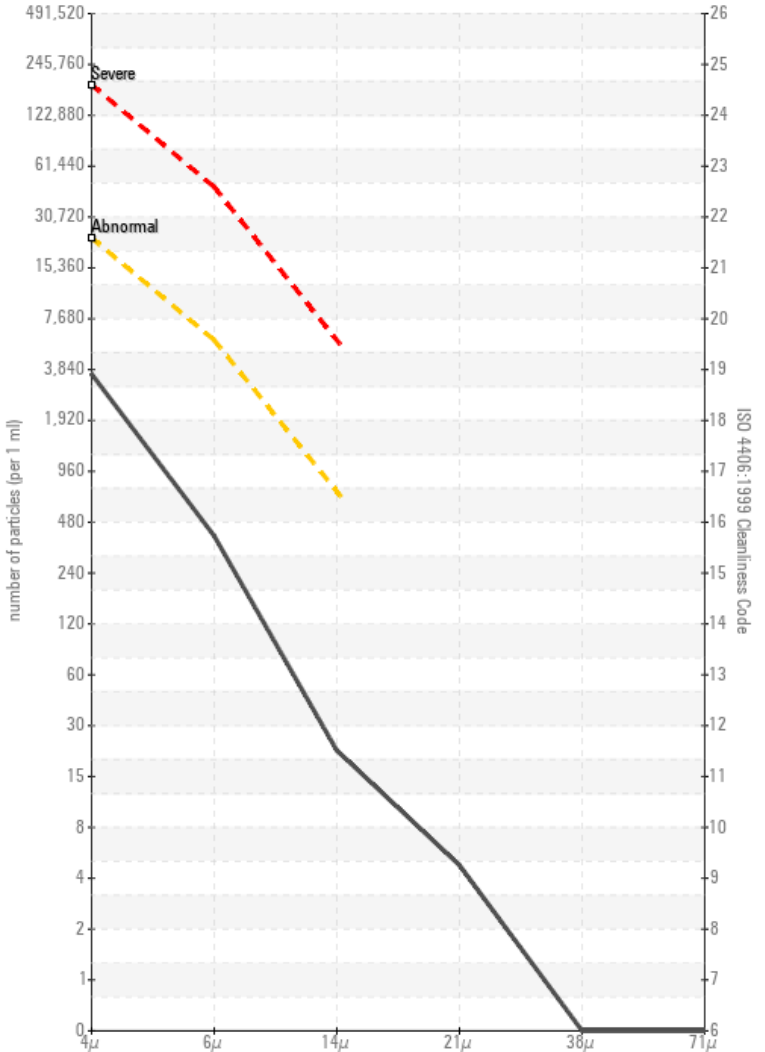
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

