

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 1216-109503 - Hydraulic System

Sample No: LHMC163539

Oil Type: MOBIL DTE 10



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	LHMC163539	LHMC163328	---	---
Sample Date	15 Sep 2023	23 Mar 2023	---	---
Machine Hours	6608	5400	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 44.2	● 43.8	---	---
Acid Number (AN)	mg KOH/g	● 0.163	● 0.24	---	---



CONTAMINATION

Particles >4µm		● 1782	● 398	---	---
Particles >6µm		● 495	● 41	---	---
Particles >14µm		● 42	● 5	---	---
ISO 4406:1999 (c)		18/16/13	16/13/10	---	---
Silicon	ppm	● <1	● <1	---	---
Sodium	ppm	● 0	● 0	---	---
Potassium	ppm	● <1	● <1	---	---



WEAR METALS

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



ADDITIVES

Calcium	ppm	135	286	---	---
Magnesium	ppm	4	2	---	---
Zinc	ppm	45	143	---	---
Phosphorus	ppm	228	567	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Diagnosis

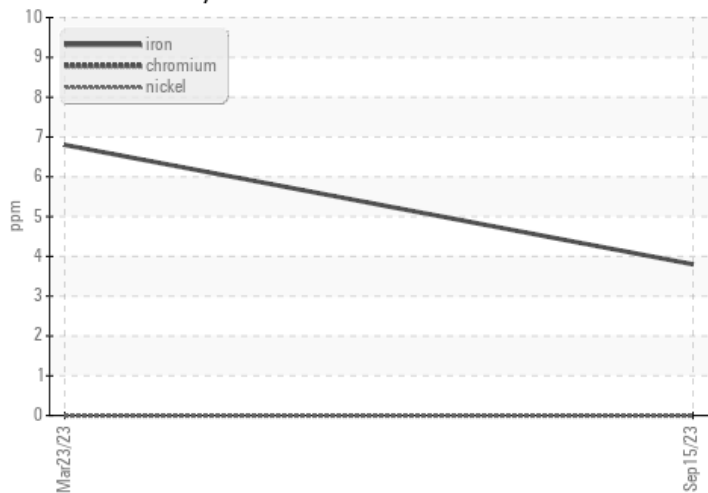
Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further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

Depot: AHLKAU
 Unique No: 10660263
 Signed: Wes Davis
 Report Date: 25 Sep 2023

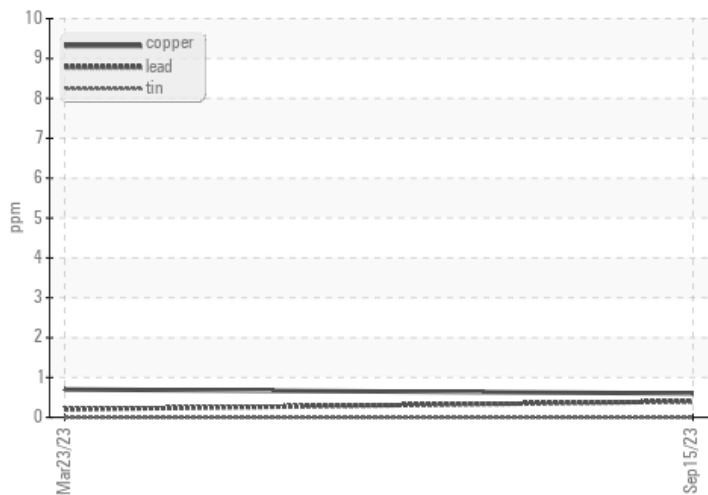


GRAPHS

Ferrous Alloys



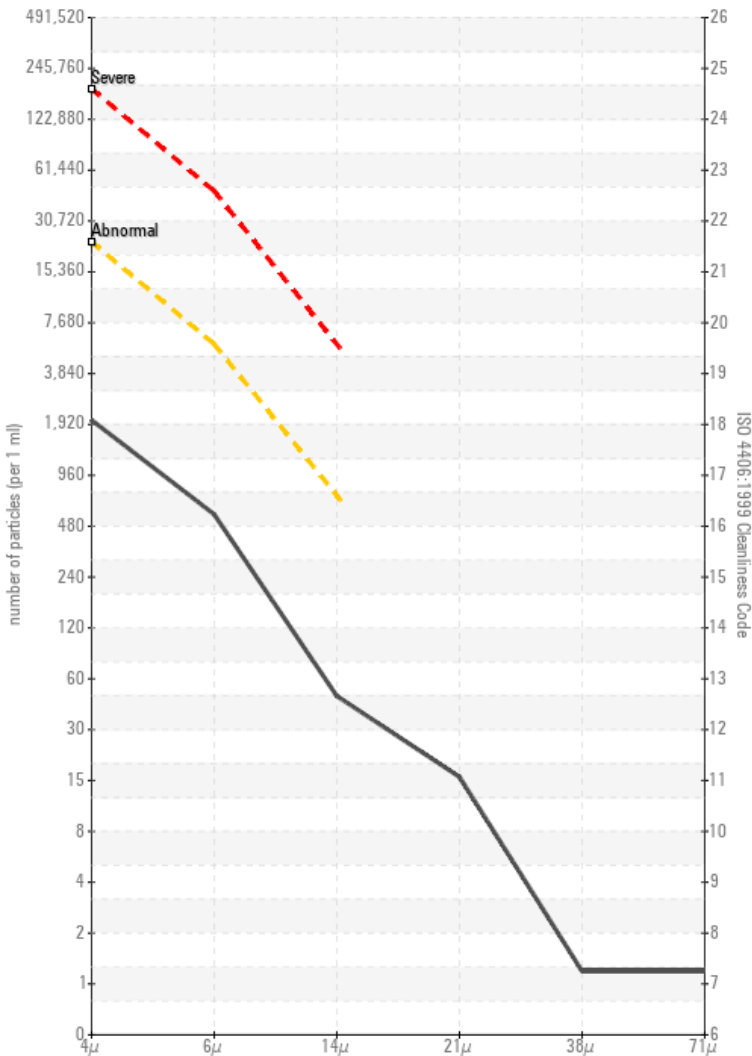
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

