

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH22M 135268-1250 - Hydraulic System

Sample No: LH0258220

Oil Type: LIEBHERR HYDRAULIC HVI



M&F CONCRETE PRODUCTS CO
 4002 CATLETT RD
 CATLETT, VA
 US 20119
 Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0258220	---	---	---
Sample Date	09 Jan 2024	---	---	---
Machine Hours	65	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	53.4	---	---	---
Acid Number (AN)	mg KOH/g	1.23	---	---	---

T:
F:



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		5621	---	---	---
Particles >6µm		613	---	---	---
Particles >14µm		22	---	---	---
ISO 4406:1999 (c)		20/16/12	---	---	---
Silicon	ppm	6	---	---	---
Sodium	ppm	0	---	---	---
Potassium	ppm	1	---	---	---

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.



WEAR METALS

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



ADDITIVES

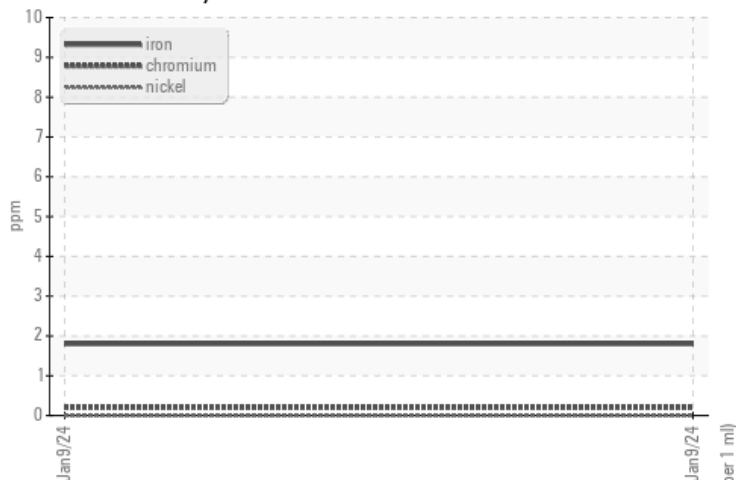
Calcium	ppm	1560	---	---	---
Magnesium	ppm	4	---	---	---
Zinc	ppm	751	---	---	---
Phosphorus	ppm	633	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: MECCAT
Unique No: 10831566
Signed: Jonathan Hester
Report Date: 18 Jan 2024

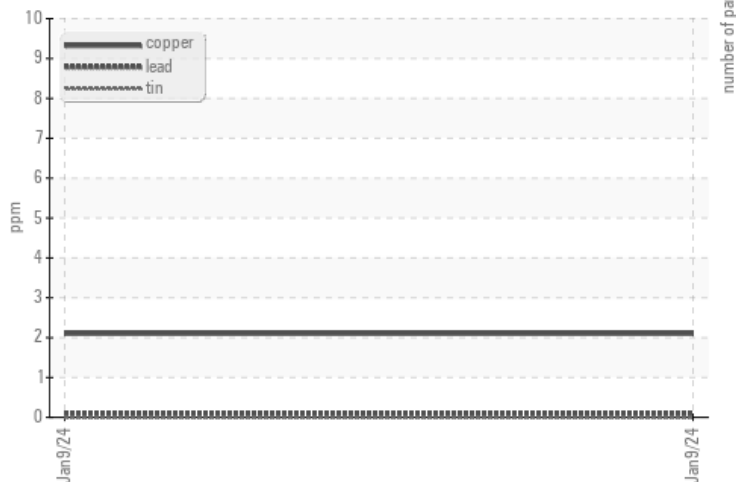


GRAPHS

Ferrous Alloys



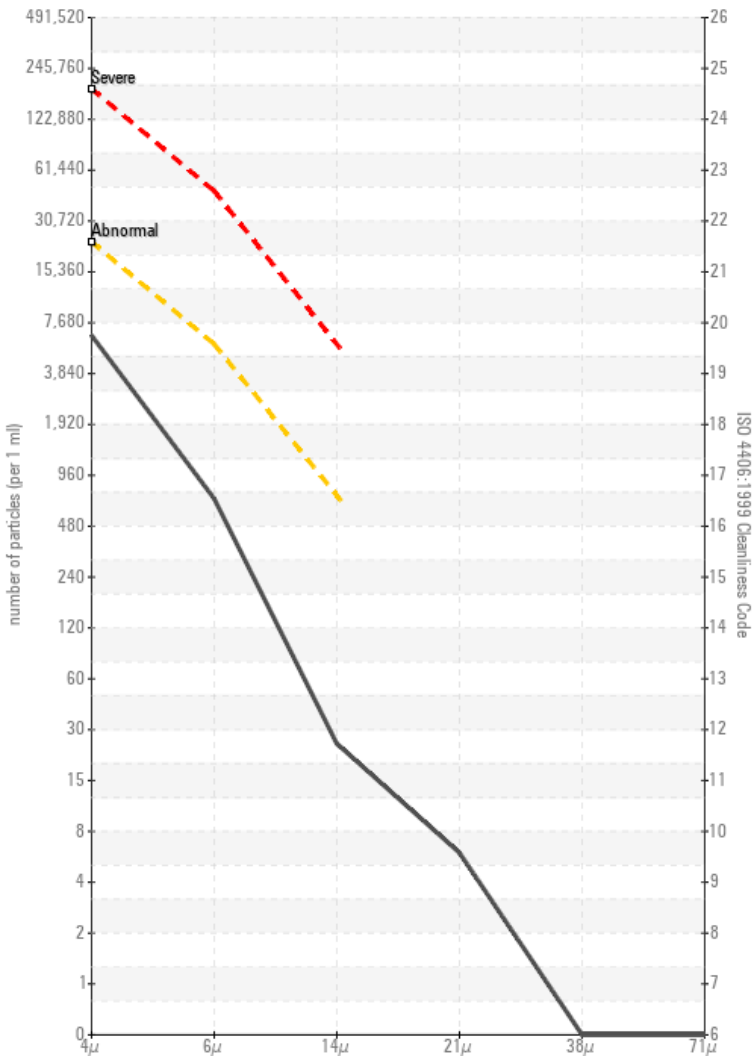
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

