

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R926LC 045709-1488 - Hydraulic System

Sample No: LH0258990

Oil Type: LIEBHERR HYDRAULIC HVI



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



SAMPLE INFORMATION

Sample Number	LH0258990	LH0229635	---	---
Sample Date	26 Oct 2023	12 Jan 2023	---	---
Machine Hours	4010	2559	---	---
Oil Hours	0	2559	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	ABNORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 41.5	● 42.5	---	---
Acid Number (AN)	mg KOH/g	● 1.546	● 1.13	---	---

T:
F:



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		● 106914	● 10048	---	---
Particles >6µm		● 24426	● 301	---	---
Particles >14µm		● 486	● 8	---	---
ISO 4406:1999 (c)		24/22/16	21/15/10	---	---
Silicon	ppm	● 10	● 9	---	---
Sodium	ppm	● 4	● 0	---	---
Potassium	ppm	● 1	● 3	---	---

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	● 12	● 9	---	---
Copper	ppm	● 8	● 6	---	---
Lead	ppm	● <1	● 2	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 1	● <1	---	---
Chromium	ppm	● 1	● 0	---	---
Molybdenum	ppm	● 0	● 2	---	---
Nickel	ppm	● 0	● 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● <1	● <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

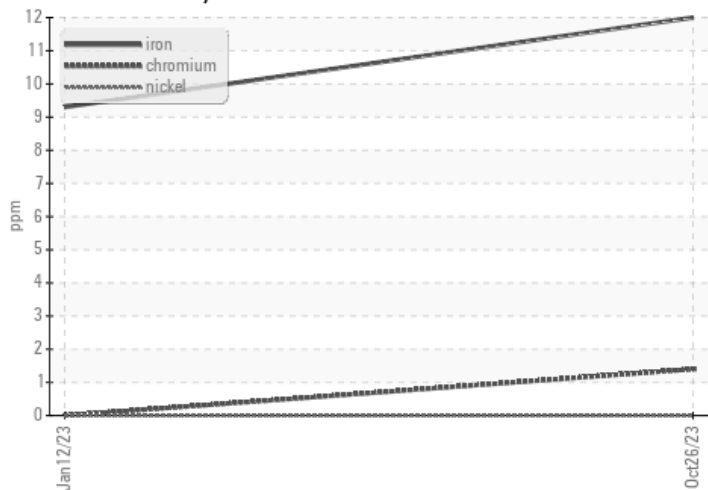
Calcium	ppm	● 1575	● 1663	---	---
Magnesium	ppm	● 15	● 14	---	---
Zinc	ppm	● 791	● 821	---	---
Phosphorus	ppm	● 649	● 660	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	● 12	● 14	---	---

Depot: MECCAT
Unique No: 10778421
Signed: Wes Davis
Report Date: 11 Dec 2023

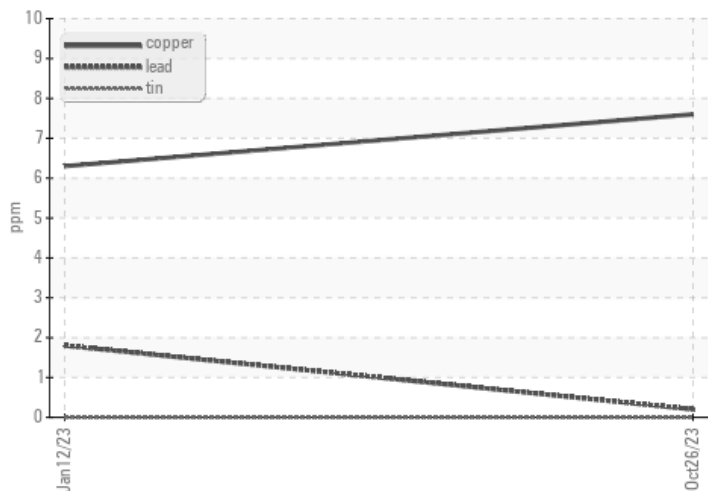


GRAPHS

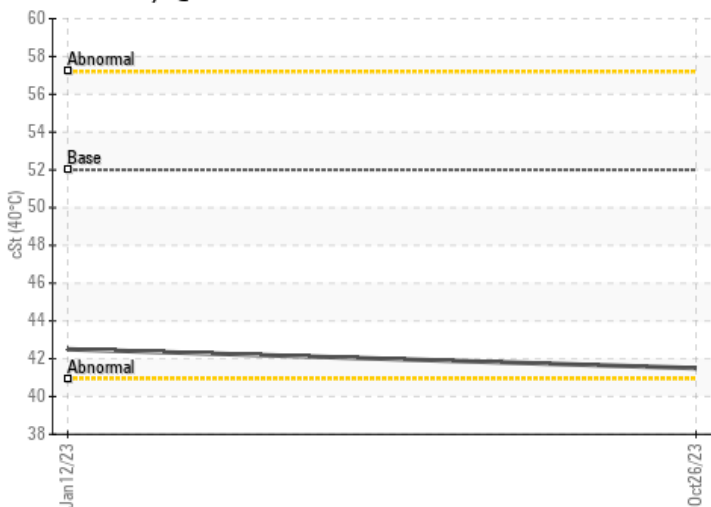
Ferrous Alloys



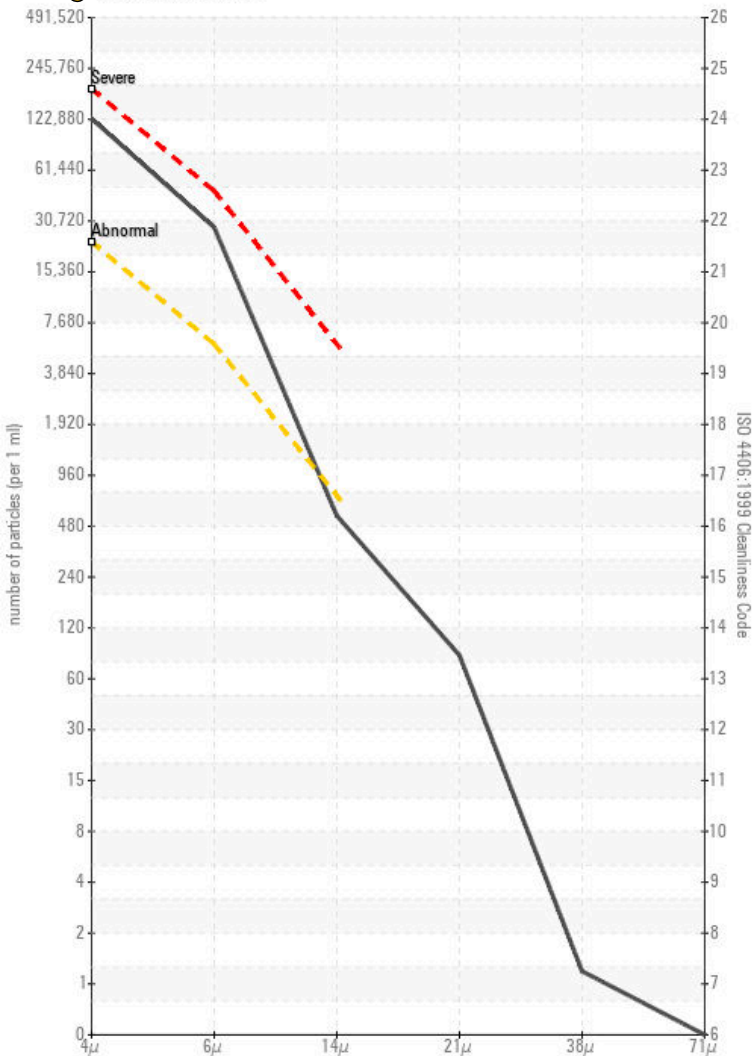
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

