

LIEBHERR

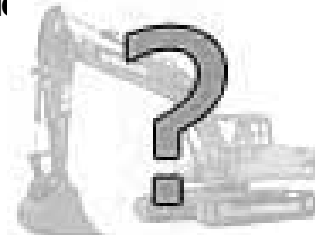
CONSTRUCTION EQUIPMENT



NOT GIVEN LHMC148154 (S/N NO INFO ON SIF/BOTTLE) - Hydraulic

Sample No: LHMC148154

Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LHMC148154	---	---	---
Sample Date	22 Oct 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

LIEBHERR EQUIPMENT SOURCE

4100 CHESTNUT AVENUE
NEWPORT NEWS, VA
US 23607

Contact: LUKE APPLEBY

Lucas.Appleby@liebherr.com

T:

F: (757)298-8700



OIL CONDITION

Visc @ 40°C	cSt	● 47.1	---	---	---
Acid Number (AN)	mg KOH/g	● 1.02	---	---	---



CONTAMINATION

Particles >4µm		● 9836	---	---	---
Particles >6µm		● 610	---	---	---
Particles >14µm		● 11	---	---	---
ISO 4406:1999 (c)		20/16/11	---	---	---
Silicon	ppm	● 3	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● <1	---	---	---



WEAR METALS

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



ADDITIVES

Calcium	ppm	1263	---	---	---
Magnesium	ppm	7	---	---	---
Zinc	ppm	646	---	---	---
Phosphorus	ppm	598	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	5	---	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: LIEBHERRUS

Unique No: 10709973

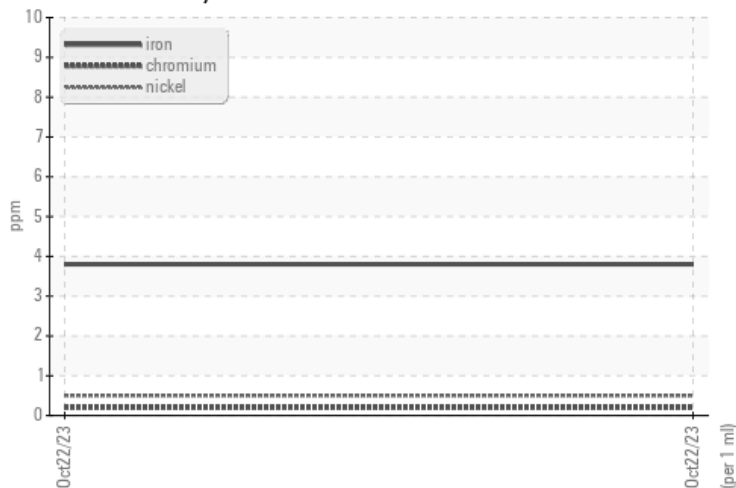
Signed: Wes Davis

Report Date: 24 Oct 2023

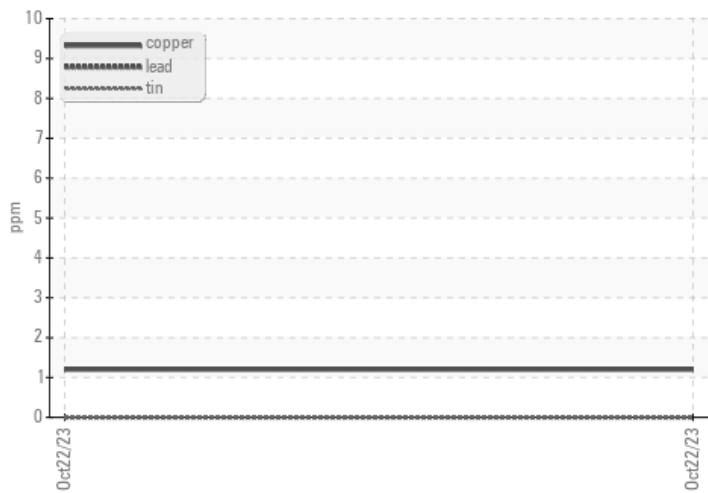


GRAPHS

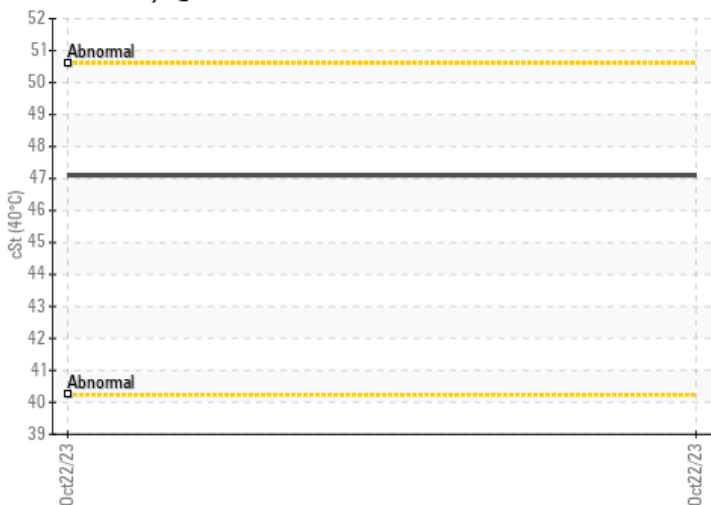
Ferrous Alloys



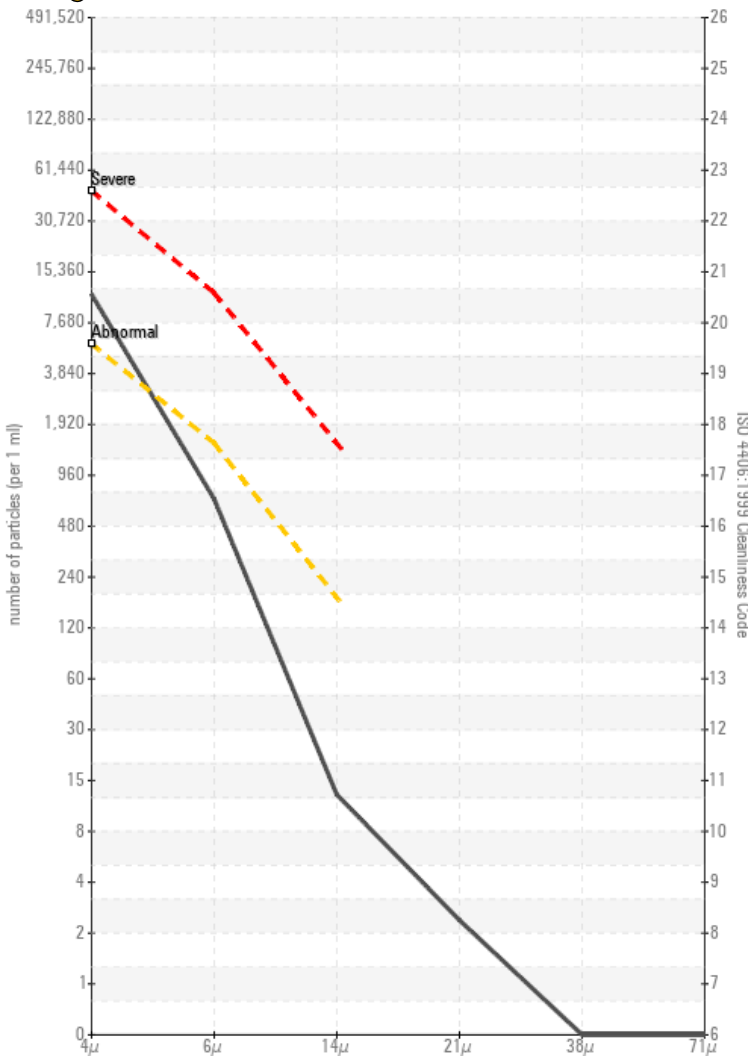
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

