

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 1253-121539 - Hydraulic System

Sample No: LH0213359

Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH0213359	LH0213331	---	---
Sample Date	22 Aug 2023	16 Oct 2022	---	---
Machine Hours	3000	1000	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	ATTENTION	NORMAL	---	---

KEYSTONE RAIL RECOVERY
 70 MARYLAND AVE
 JERSEY SHORE, NJ
 US 17740
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	● 44.5	● 44.6	---	---
Acid Number (AN)	mg KOH/g	● 1.18	● 1.18	---	---

T:
F:



CONTAMINATION

Particles >4µm		● 18218	● 10691	---	---
Particles >6µm		● 6001	● 3641	---	---
Particles >14µm		● 376	● 371	---	---
ISO 4406:1999 (c)		21/20/16	21/19/16	---	---
Silicon	ppm	● 3	● 2	---	---
Sodium	ppm	● 3	● 1	---	---
Potassium	ppm	● 0	● 0	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. 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.



WEAR METALS

Iron	ppm	● 45	● 27	---	---
Copper	ppm	● 6	● 5	---	---
Lead	ppm	● <1	● <1	---	---
Tin	ppm	● <1	● 0	---	---
Aluminum	ppm	● <1	● <1	---	---
Chromium	ppm	● <1	● <1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	● 0	● 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

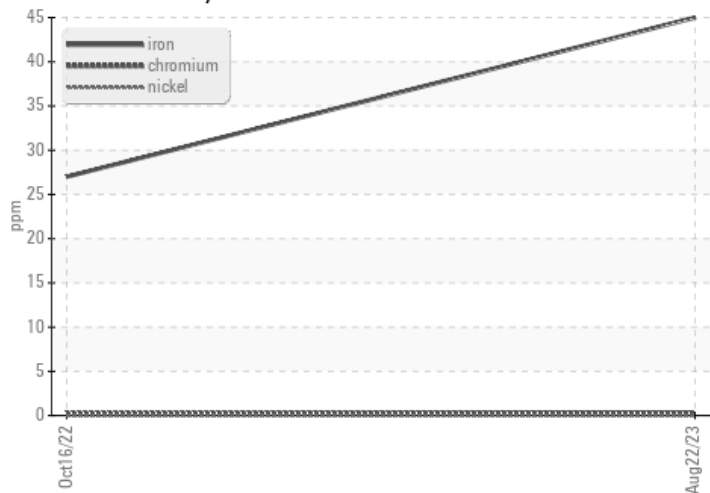
Calcium	ppm	1809	1428	---	---
Magnesium	ppm	11	7	---	---
Zinc	ppm	720	684	---	---
Phosphorus	ppm	647	601	---	---
Barium	ppm	0	0	---	---
Boron	ppm	10	0	---	---

Depot: KEYJER
 Unique No: 10616089
 Signed: Wes Davis
 Report Date: 23 Aug 2023

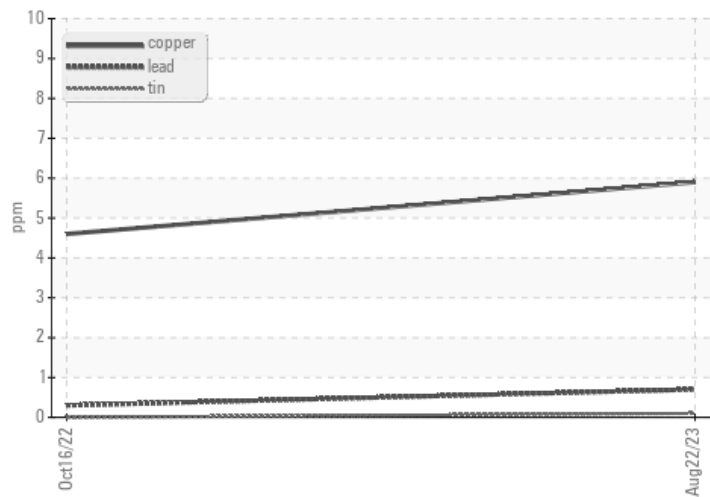


GRAPHS

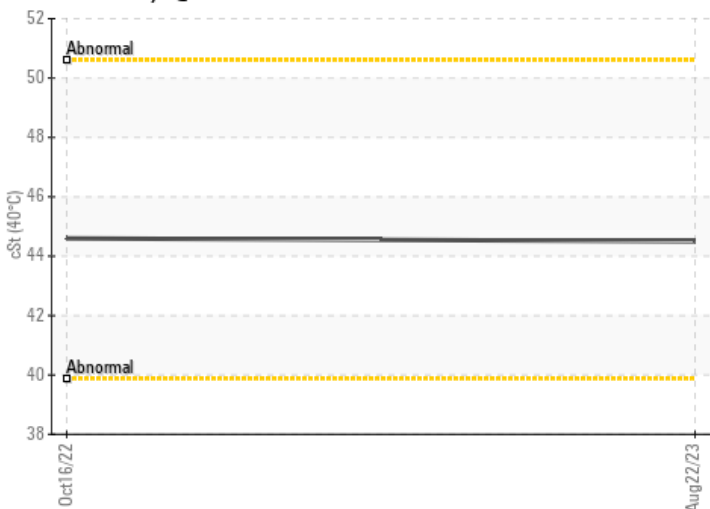
Ferrous Alloys



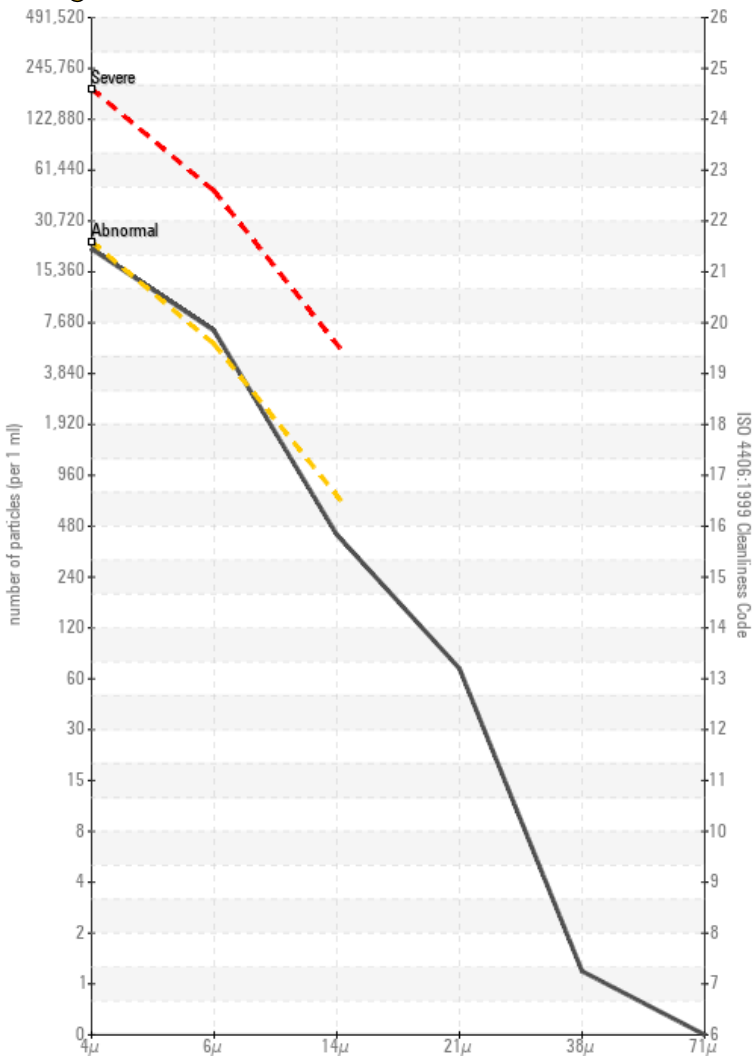
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

