

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 1253-143895 - Hydraulic System

Sample No: LH0276318

Oil Type: {unknown}



TRAM CONSTRUCTION
 9279 E KY 8
 GARRISON, KY
 US 41141
 Contact: Service Manager



Sample Information

Sample Number	LH0276318	---	---	---
Sample Date	17 Apr 2024	---	---	---
Machine Hours	974	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



Oil Condition

Visc @ 40°C	cSt	45.0	---	---	---
Acid Number (AN)	mg KOH/g	1.27	---	---	---

T:
F:



Contamination

Water	%	NEG	---	---	---
Particles >4µm		3600	---	---	---
Particles >6µm		1034	---	---	---
Particles >14µm		60	---	---	---
ISO 4406:1999 (c)		19/17/13	---	---	---
Silicon	ppm	5	---	---	---
Sodium	ppm	2	---	---	---
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	13	---	---	---
Copper	ppm	3	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	0	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



Additives

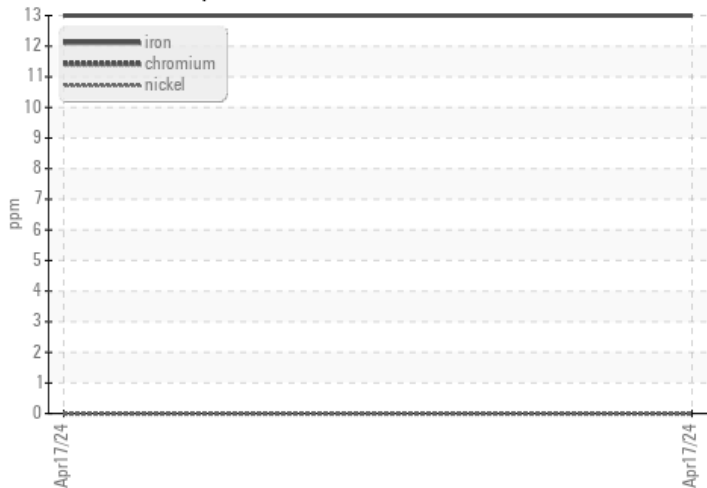
Calcium	ppm	1443	---	---	---
Magnesium	ppm	2	---	---	---
Zinc	ppm	725	---	---	---
Phosphorus	ppm	629	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: TRAGARLH
Unique No: 11004168
Signed: Jonathan Hester
Report Date: 02 May 2024

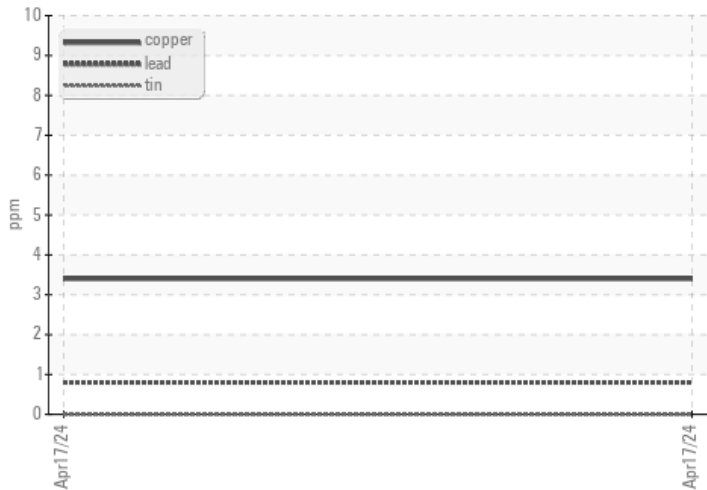


Graphs

Ferrous Alloys



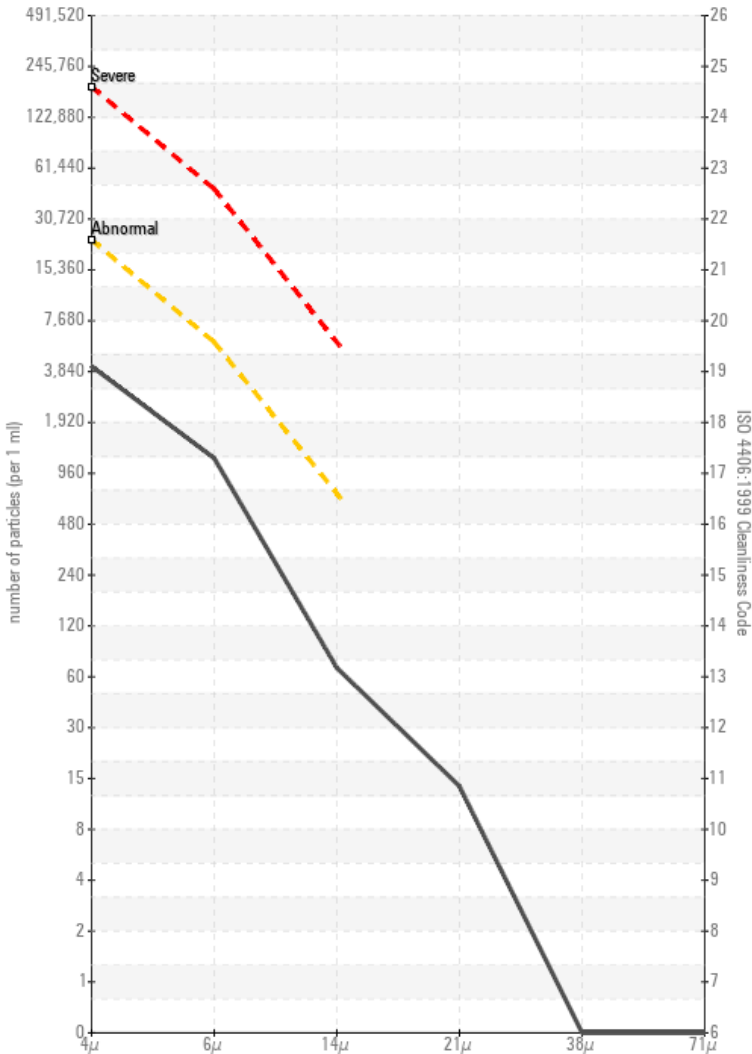
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

