

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH110C 115021-1228 - Hydraulic System

Sample No: LH0273788

Oil Type: {unknown}



RECO EQUIPMENT INC.

41245 RECO RD

BELMONT, OH

US 43718

Contact: GABE PERLMAN

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Sample Information

Sample Number	LH0273788	---	---	---
Sample Date	17 Apr 2024	---	---	---
Machine Hours	8631	---	---	---
Oil Hours	503	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



Oil Condition

Visc @ 40°C	cSt	58.3	---	---	---
Acid Number (AN)	mg KOH/g	0.14	---	---	---



Contamination

Water	%	0.120	---	---	---
Particles >4µm		2184	---	---	---
Particles >6µm		1190	---	---	---
Particles >14µm		202	---	---	---
ISO 4406:1999 (c)		18/17/15	---	---	---
Silicon	ppm	1	---	---	---
Sodium	ppm	1	---	---	---
Potassium	ppm	<1	---	---	---



Wear Metals

Iron	ppm	36	---	---	---
Copper	ppm	5	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	67	---	---	---
Magnesium	ppm	5	---	---	---
Zinc	ppm	453	---	---	---
Phosphorus	ppm	370	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Diagnosis

We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a light concentration of water present in the oil. The amount and size of particulates present in the system are acceptable. Viscosity of sample indicates oil is within ISO 68 range, advise investigate. Confirm oil type.

Depot: LEC0071

Unique No: 11017989

Signed: Angela Borella

Report Date: 14 May 2024

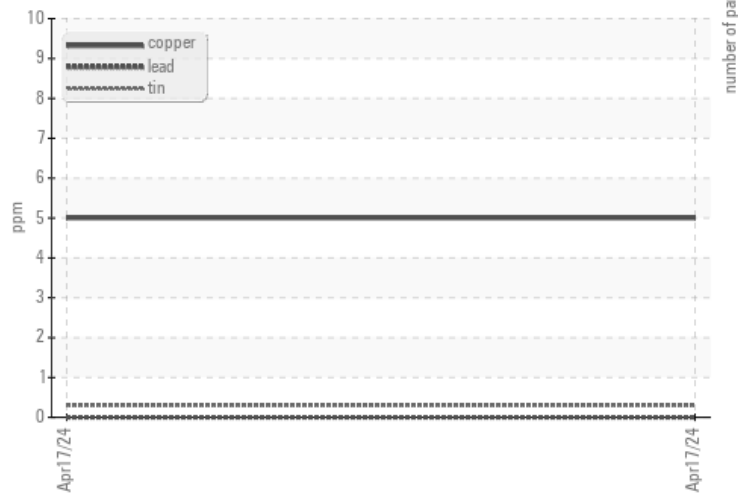


Graphs

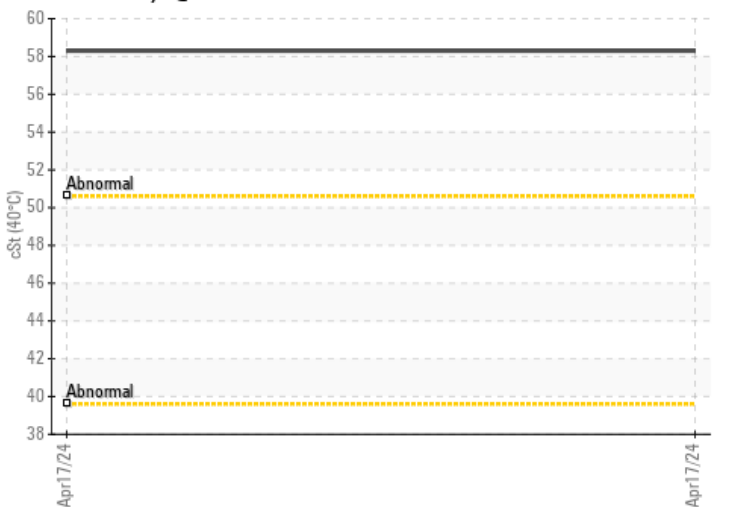
Ferrous Alloys



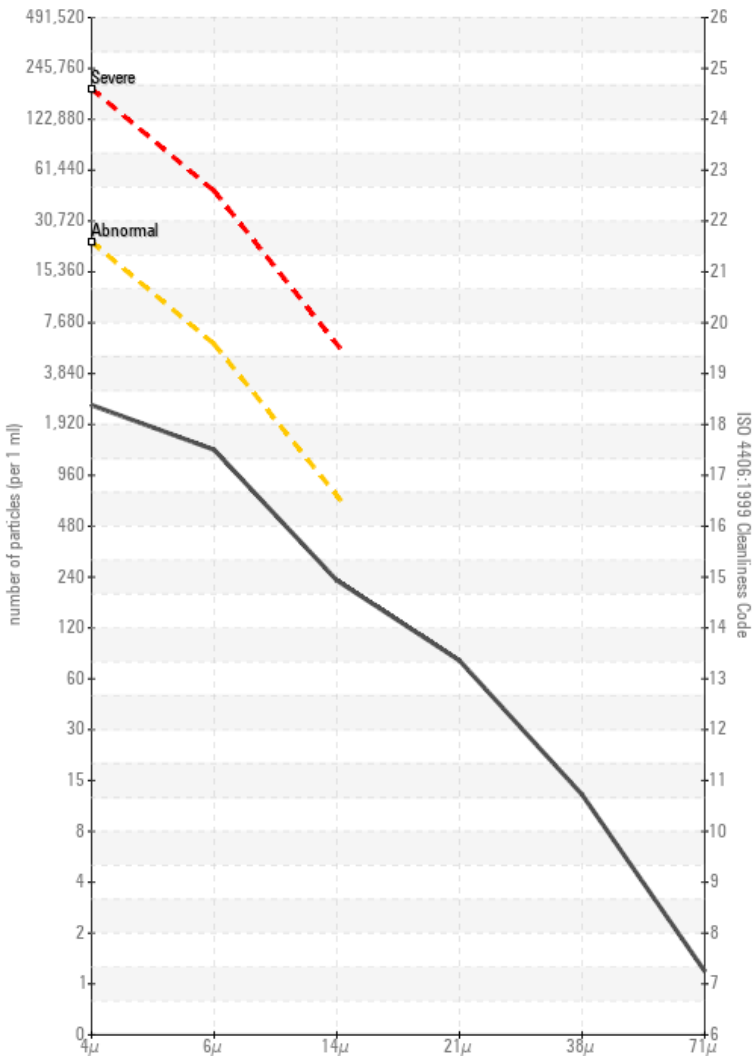
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

