

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L526 080790-1872 - Hydraulic System

Sample No: LH0254472

Oil Type: AW HYDRAULIC OIL ISO 68



Sample Information

Sample Number	LH0254472	---	---	---
Sample Date	12 Apr 2024	---	---	---
Machine Hours	378	---	---	---
Oil Hours	378	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

HEAVY MACHINES INC.

3930 EAST RAINES RD
MEMPHIS, TN
US 38118
Contact: J. DAVIS
JDAVIS@HEAVY.LLC.COM
T:
F: (901)260-2245



Oil Condition

Visc @ 40°C	cSt	46.4	---	---	---
Acid Number (AN)	mg KOH/g	1.54	---	---	---



Contamination

Water	%	NEG	---	---	---
Particles >4µm		5732	---	---	---
Particles >6µm		337	---	---	---
Particles >14µm		15	---	---	---
ISO 4406:1999 (c)		20/16/11	---	---	---
Silicon	ppm	3	---	---	---
Sodium	ppm	0	---	---	---
Potassium	ppm	3	---	---	---

Diagnosis

No corrective action is recommended at this time. 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. Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within ISO 46 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.



Wear Metals

Iron	ppm	3	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	<1	---	---	---



Additives

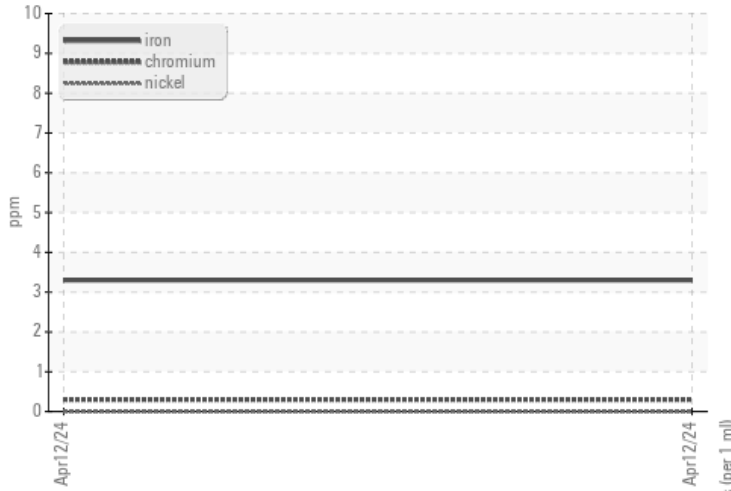
Calcium	ppm	1353	---	---	---
Magnesium	ppm	7	---	---	---
Zinc	ppm	742	---	---	---
Phosphorus	ppm	691	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: LEC0051
Unique No: 11021441
Signed: Don Baldrige
Report Date: 14 May 2024

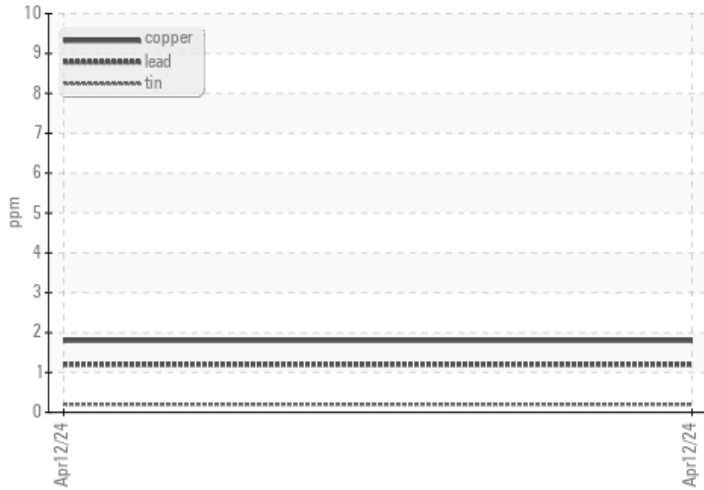


Graphs

Ferrous Alloys



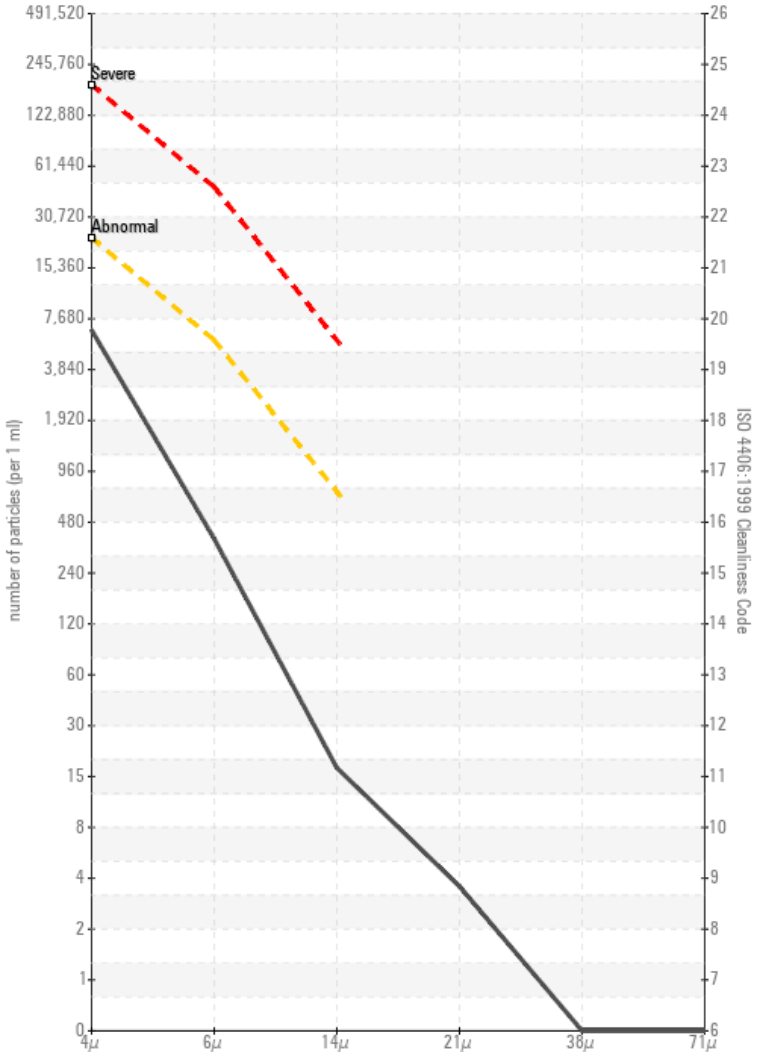
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

