

LIEBHERR

CONSTRUCTION EQUIPMENT



[[GIORTANOS SCRAP]] LIEBHERR R956 055622-1728 - Hydraulic

Sample No: LHMC154573

Oil Type: LIEBHERR HYD OIL



GROFF TRACTOR
 1545 HOOK RD
 FOLCROFT, PA
 US 19032
 Contact: MIKE NOBLE
 mikenoble@gtmidatlantic.com
 T: (610)586-2710
 F:



Sample Information

Sample Number	LHMC154573	---	---	---
Sample Date	10 Apr 2024	---	---	---
Machine Hours	2400	---	---	---
Oil Hours	256	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



Oil Condition

Visc @ 40°C	cSt	● 44.1	---	---	---
Acid Number (AN)	mg KOH/g	● 1.05	---	---	---



Contamination

Water	%	NEG	---	---	---
Particles >4µm		● 2893	---	---	---
Particles >6µm		● 394	---	---	---
Particles >14µm		● 36	---	---	---
ISO 4406:1999 (c)		19/16/12	---	---	---
Silicon	ppm	● 5	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● 0	---	---	---



Wear Metals

Iron	ppm	● 6	---	---	---
Copper	ppm	● 3	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 0	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 0	---	---	---
Vanadium	ppm	● <1	---	---	---



Additives

Calcium	ppm	1460	---	---	---
Magnesium	ppm	5	---	---	---
Zinc	ppm	638	---	---	---
Phosphorus	ppm	608	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	7	---	---	---

Diagnosis

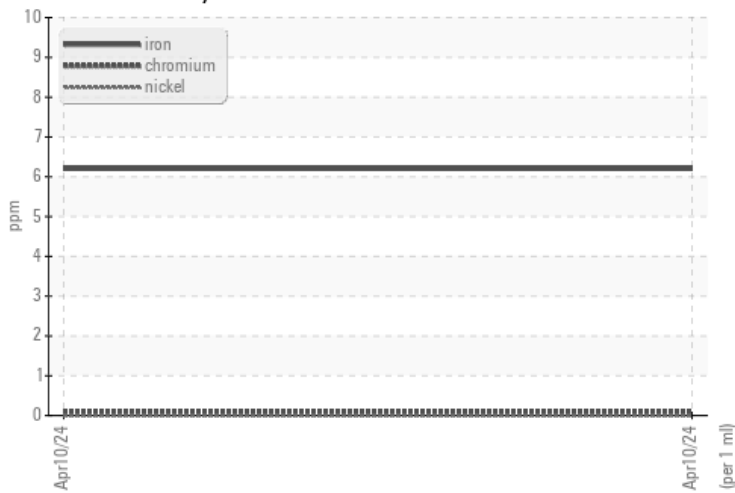
Oil and filter change at the time of sampling has been noted. (taken as a result of failure. Shear valve in the machine came apart. Warranty claim submitted). The wear metal levels do not reflect the reported failure. There is no indication of any contamination in the oil.

Depot: GROFOL
Unique No: 11057997
Signed: Don Baldrige
Report Date: 02 Jun 2024

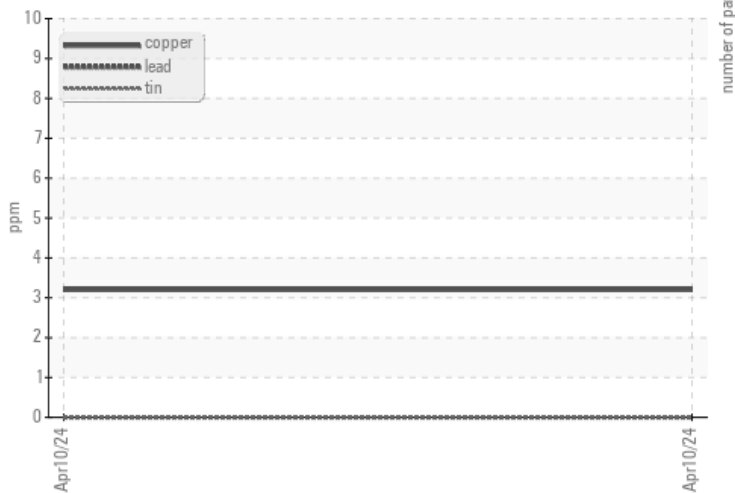


Graphs

Ferrous Alloys



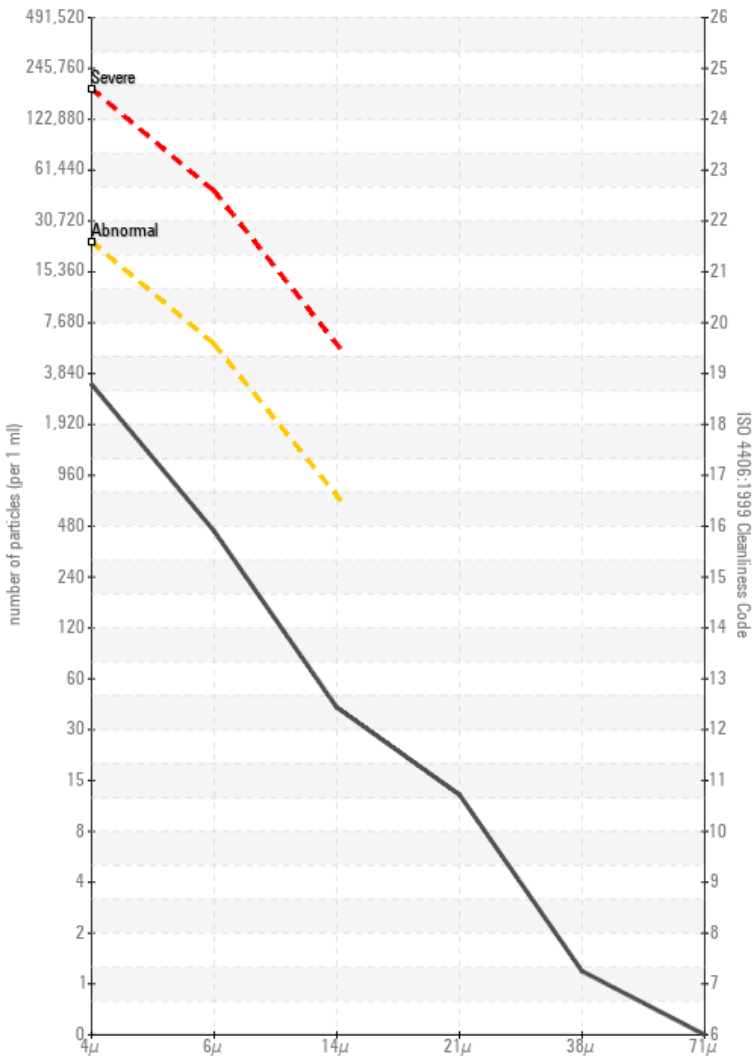
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

