

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R956 054640-1728 - Hydraulic System

Sample No: LHMC116546

Oil Type: LIEBHERR HYDRAULIC HVI



SAMPLE INFORMATION

Sample Number	LHMC116546	---	---	---
Sample Date	11 Apr 2023	---	---	---
Machine Hours	539	---	---	---
Oil Hours	539	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

AMERICAN STATE EQUIPMENT CO.
 2055 SOUTH 108TH STREET
 MILWAUKEE, WI
 US 53227
 Contact: RAY SCHMIDT
 RSCHMIDT@AMSTATE.COM
 T: (414)234-0854
 F: (414)541-1892



OIL CONDITION

Visc @ 40°C	cSt	41.2	---	---	---
Acid Number (AN)	mg KOH/g	0.85	---	---	---



CONTAMINATION

Particles >4µm		34411	---	---	---
Particles >6µm		7374	---	---	---
Particles >14µm		313	---	---	---
ISO 4406:1999 (c)		22/20/15	---	---	---
Silicon	ppm	3	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	0	---	---	---

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 a moderate 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	22	---	---	---
Copper	ppm	5	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

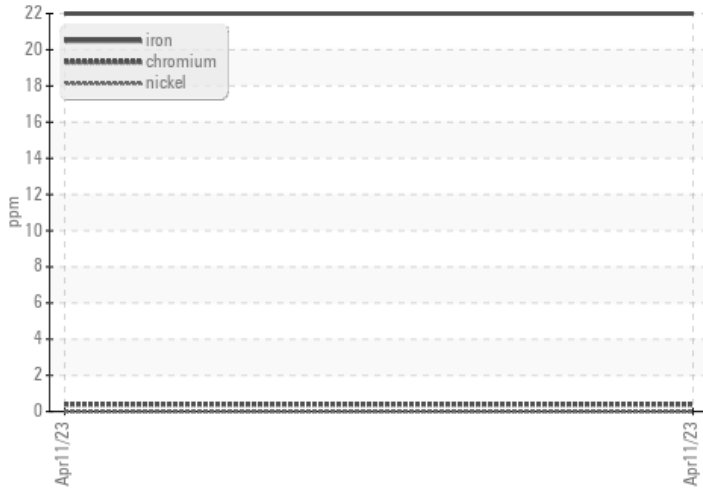
Calcium	ppm	936	---	---	---
Magnesium	ppm	16	---	---	---
Zinc	ppm	618	---	---	---
Phosphorus	ppm	545	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	2	---	---	---

Depot: LEC0007
Unique No: 10431359
Signed: Don Baldrige
Report Date: 20 Apr 2023

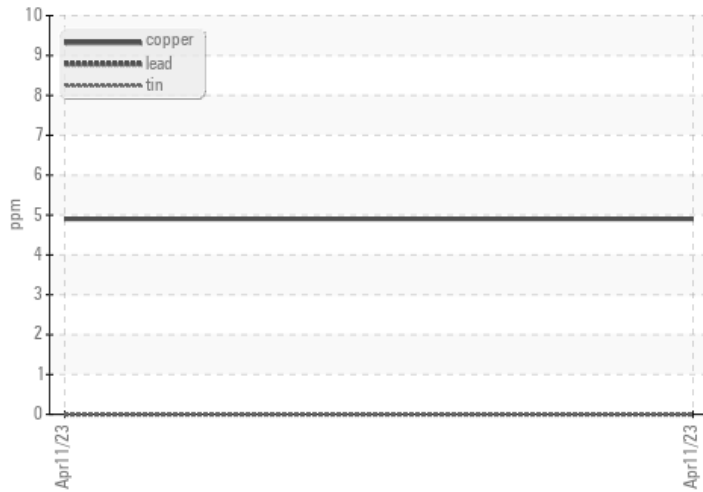


GRAPHS

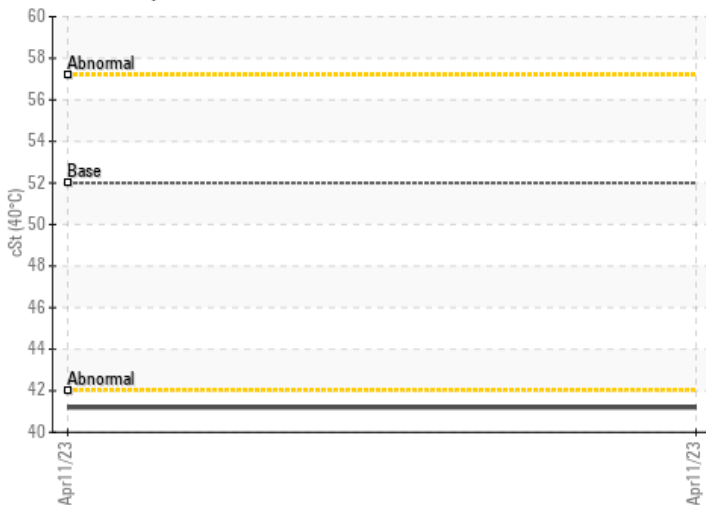
Ferrous Alloys



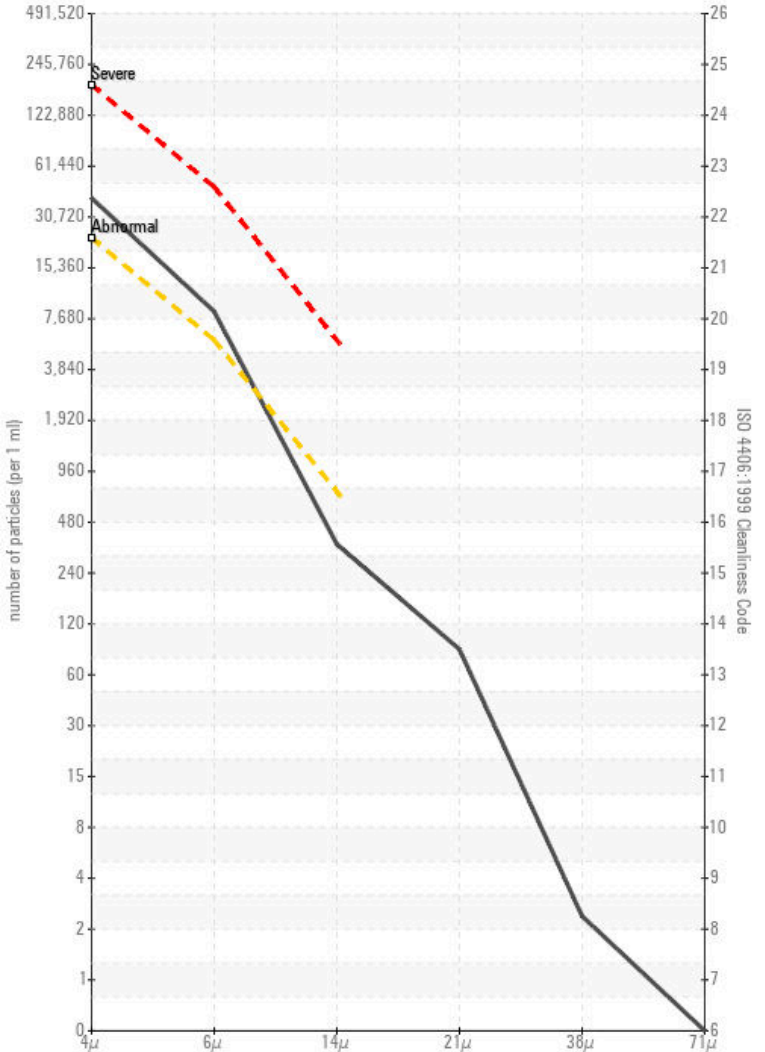
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

