

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L546 1755-67311 - Hydraulic System

Sample No: LH0243340

Oil Type: LIEBHERR HYDRAULIC HVI



SAMPLE INFORMATION

Sample Number	LH0243340	---	---	---
Sample Date	16 Oct 2023	---	---	---
Machine Hours	967	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

FAHRNER EXCAVATING

PO BOX 36

PLOVER, MI

US 54467

Contact: JUSTIN F

excavatinginc@gmail.com

T: (715)341-8902

F:



OIL CONDITION

Visc @ 40°C	cSt	44.6	---	---	---
Acid Number (AN)	mg KOH/g	0.35	---	---	---



CONTAMINATION

Particles >4µm		20050	---	---	---
Particles >6µm		598	---	---	---
Particles >14µm		10	---	---	---
ISO 4406:1999 (c)		22/16/10	---	---	---
Silicon	ppm	3	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	<1	---	---	---

Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. 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	7	---	---	---
Copper	ppm	3	---	---	---
Lead	ppm	4	---	---	---
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	1336	---	---	---
Magnesium	ppm	3	---	---	---
Zinc	ppm	674	---	---	---
Phosphorus	ppm	579	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: FAHPLO

Unique No: 10712460

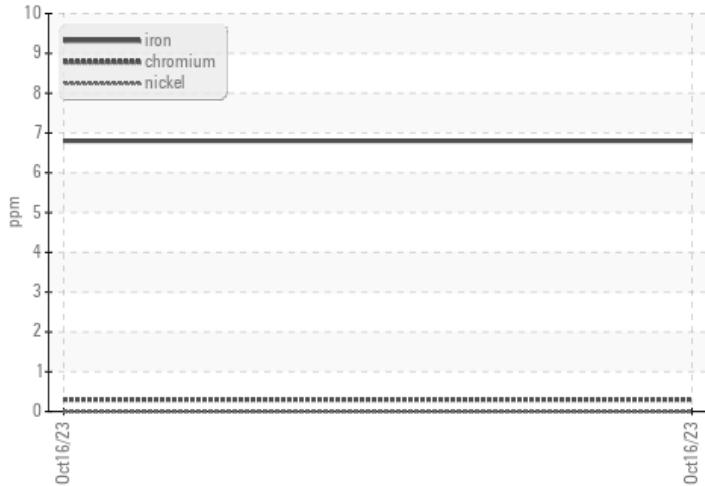
Signed: Don Baldrige

Report Date: 27 Oct 2023

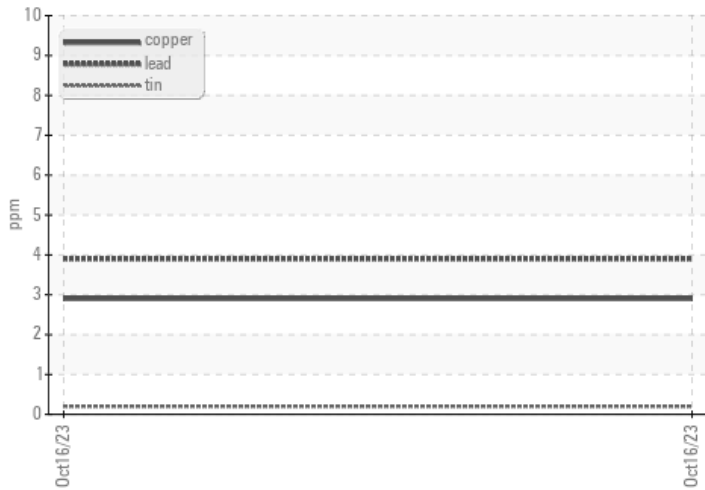


GRAPHS

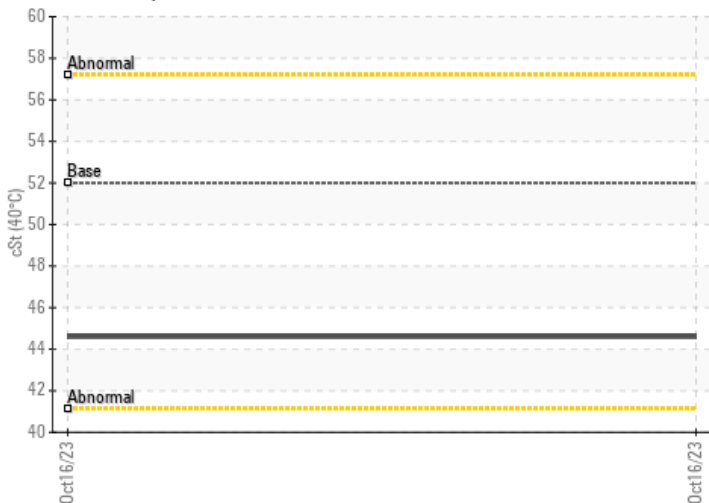
Ferrous Alloys



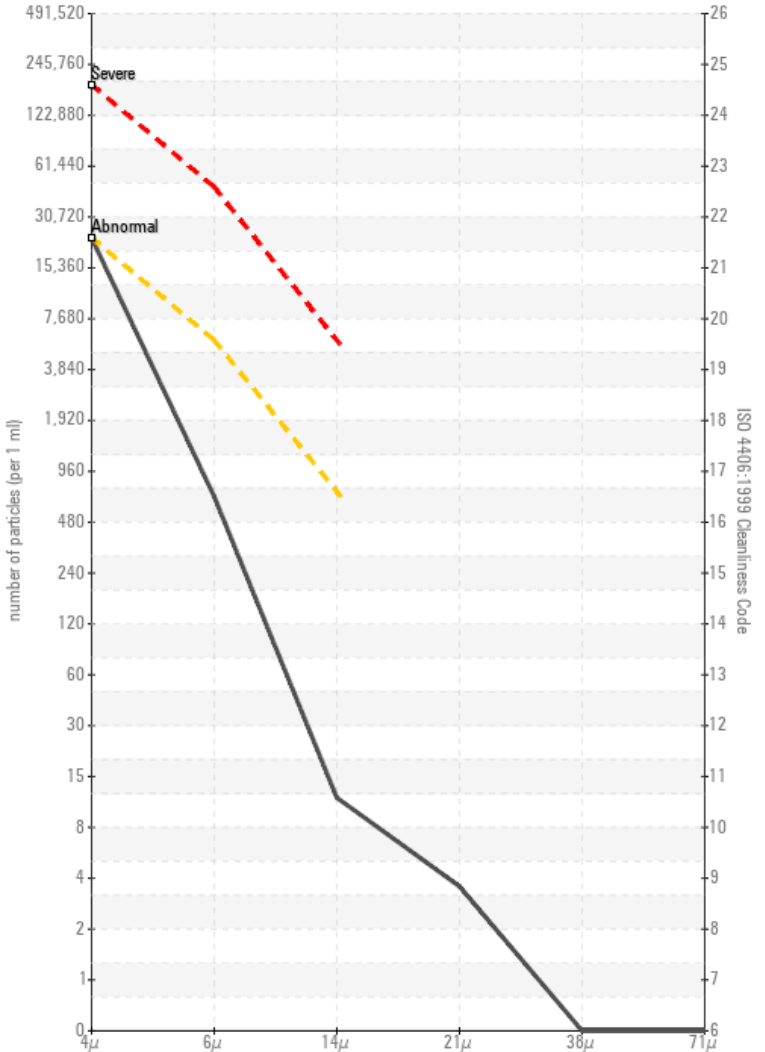
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

