

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L538 064492-1754 - Hydraulic System

Sample No: LH0263968

Oil Type: LIEBHERR HYDRAULIC HVI



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SAMPLE INFORMATION

Sample Number	LH0263968	---	---	---
Sample Date	25 Oct 2023	---	---	---
Machine Hours	1045	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 45.0	---	---	---
Acid Number (AN)	mg KOH/g	● 1.16	---	---	---



CONTAMINATION

Particles >4µm		● 8950	---	---	---
Particles >6µm		● 533	---	---	---
Particles >14µm		● 20	---	---	---
ISO 4406:1999 (c)		20/16/11	---	---	---
Silicon	ppm	● 2	---	---	---
Sodium	ppm	● 1	---	---	---
Potassium	ppm	● 0	---	---	---



WEAR METALS

Iron	ppm	● 5	---	---	---
Copper	ppm	● 2	---	---	---
Lead	ppm	● 2	---	---	---
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	0	---	---	---



ADDITIVES

Calcium	ppm	● 1250	---	---	---
Magnesium	ppm	● 0	---	---	---
Zinc	ppm	● 631	---	---	---
Phosphorus	ppm	● 542	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 0	---	---	---

Diagnosis

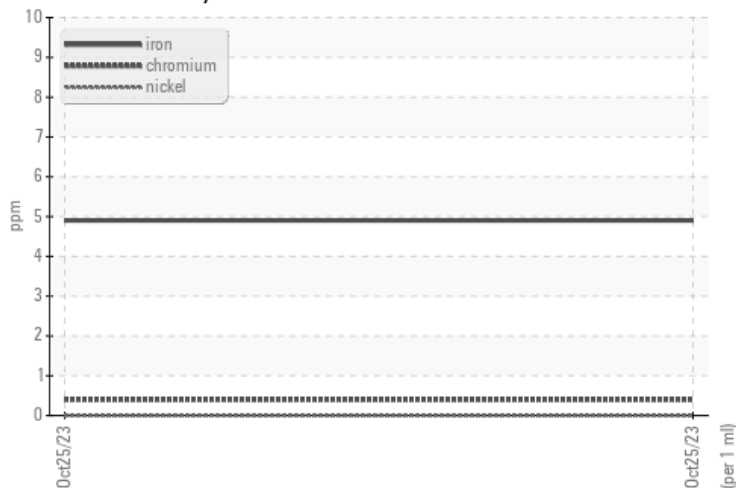
Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: LEC0008
 Unique No: 10726778
 Signed: Wes Davis
 Report Date: 06 Nov 2023

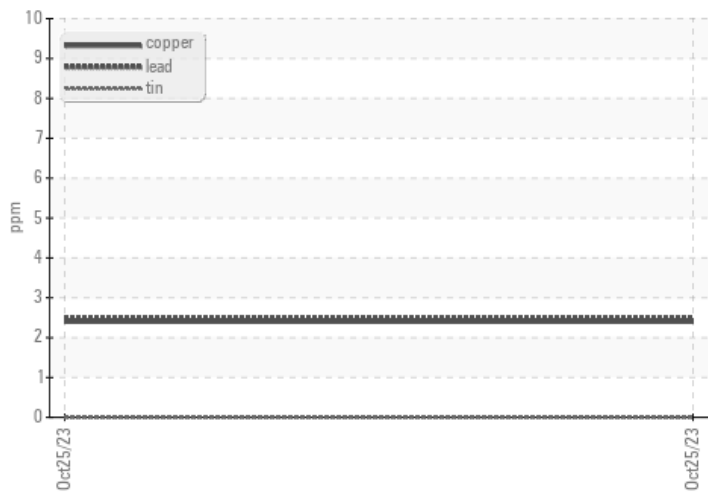


GRAPHS

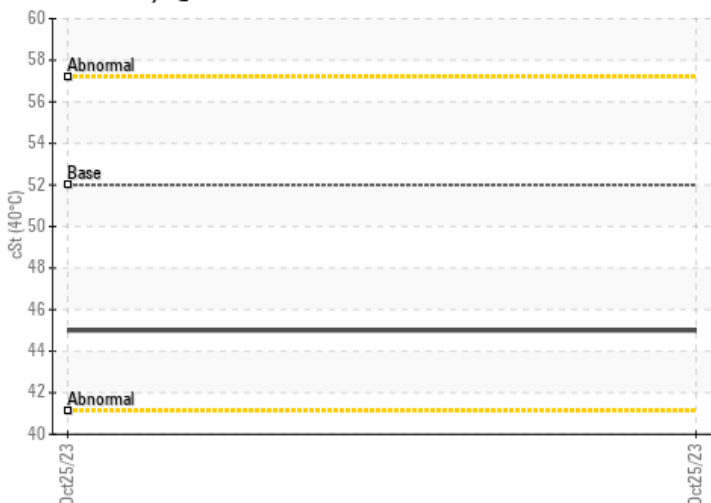
Ferrous Alloys



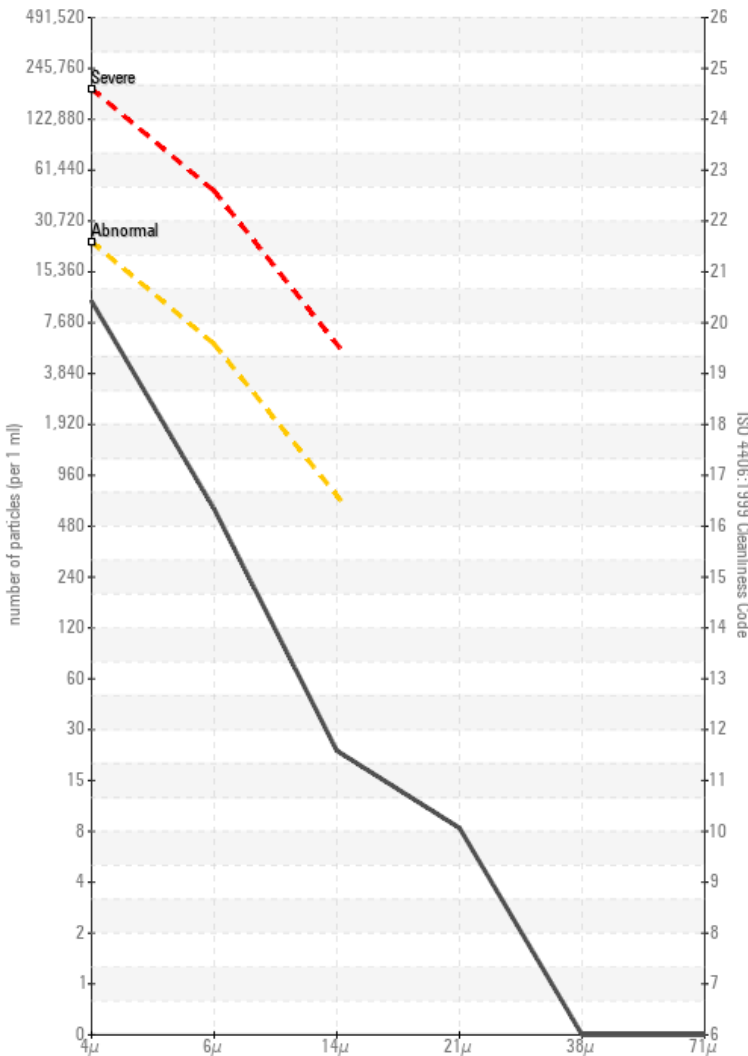
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

