

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 110956 - Hydraulic System

Sample No: LH0278430

Oil Type: {unknown}



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SAMPLE INFORMATION

Sample Number	LH0278430	---	---	---
Sample Date	29 Jan 2024	---	---	---
Machine Hours	18585	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 42.3	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		● 982	---	---	---
Particles >6µm		● 200	---	---	---
Particles >14µm		● 16	---	---	---
ISO 4406:1999 (c)		17/15/11	---	---	---
Silicon	ppm	● <1	---	---	---
Sodium	ppm	● 1	---	---	---
Potassium	ppm	● 1	---	---	---



WEAR METALS

Iron	ppm	● 18	---	---	---
Copper	ppm	● 1	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	99	---	---	---
Magnesium	ppm	2	---	---	---
Zinc	ppm	718	---	---	---
Phosphorus	ppm	568	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

Diagnosis

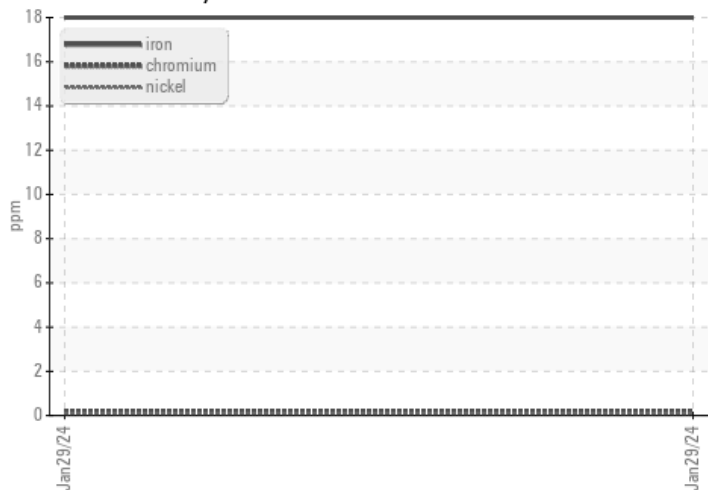
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.

Depot: JDITRU
Unique No: 5723764
Signed: Wes Davis
Report Date: 12 Feb 2024

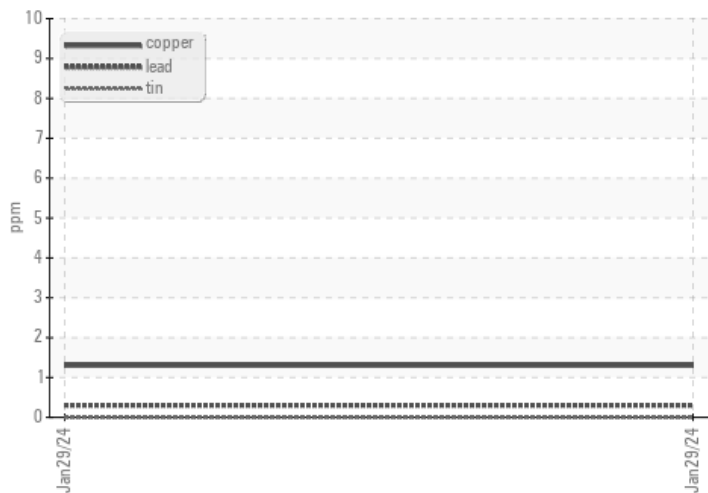


GRAPHS

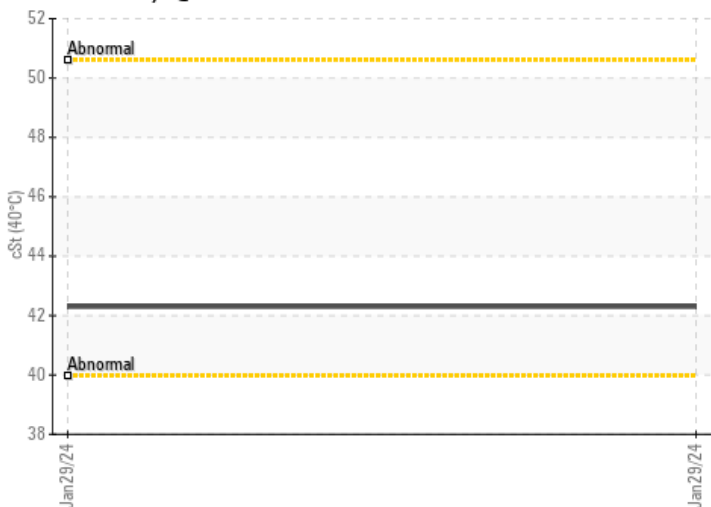
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

