

LIEBHERR

CONSTRUCTION EQUIPMENT



10072 - Hydraulic System

Sample No: LH0270525

Oil Type: {unknown}

LIEBHERR CANADA LTD.
1015 SUTTON DRIVE
BURLINGTON, ON
CA L7L 5Z8
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Diagnosis

We advise that you check for visible metal particles in the oil. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Light concentration of visible metal present. 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.



SAMPLE INFORMATION

Sample Number		LH0270525	---	---	---
Sample Date		22 Feb 2024	---	---	---
Machine Hours		8976	---	---	---
Oil Hours		0	---	---	---
Oil Changed		Not Changd	---	---	---
Sample Status		MARGINAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 41.7	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		● 9209	---	---	---
Particles >6µm		● 2613	---	---	---
Particles >14µm		● 225	---	---	---
ISO 4406:1999 (c)		20/19/15	---	---	---
Silicon	ppm	● 6	---	---	---
Sodium	ppm	● 1	---	---	---
Potassium	ppm	● 3	---	---	---



WEAR METALS

PQ		● 0	---	---	---
Iron	ppm	● 23	---	---	---
Copper	ppm	● 12	---	---	---
Lead	ppm	● 1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 3	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 0	---	---	---
Vanadium	ppm	● 0	---	---	---



ADDITIVES

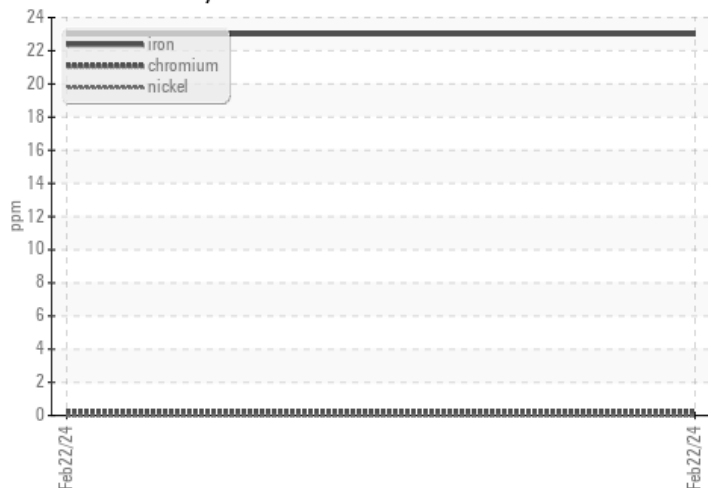
Calcium	ppm	● 1267	---	---	---
Magnesium	ppm	● 24	---	---	---
Zinc	ppm	● 1008	---	---	---
Phosphorus	ppm	● 882	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● 6	---	---	---

Depot: LIEMIS
 Unique No: 5734797
 Signed: Kevin Marson
 Report Date: 26 Feb 2024

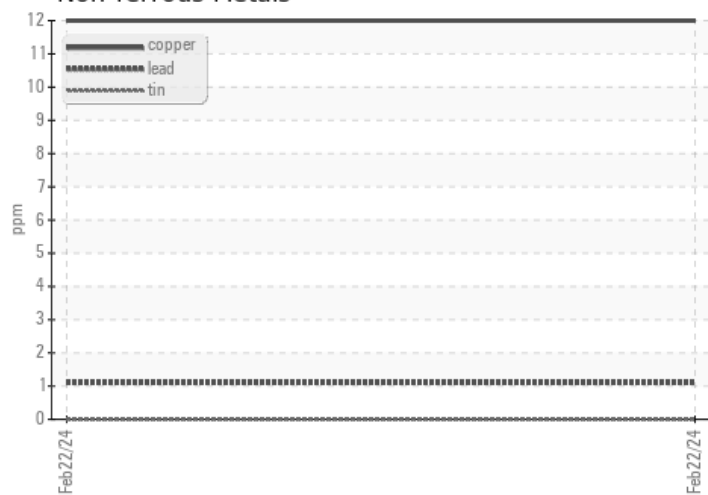


GRAPHS

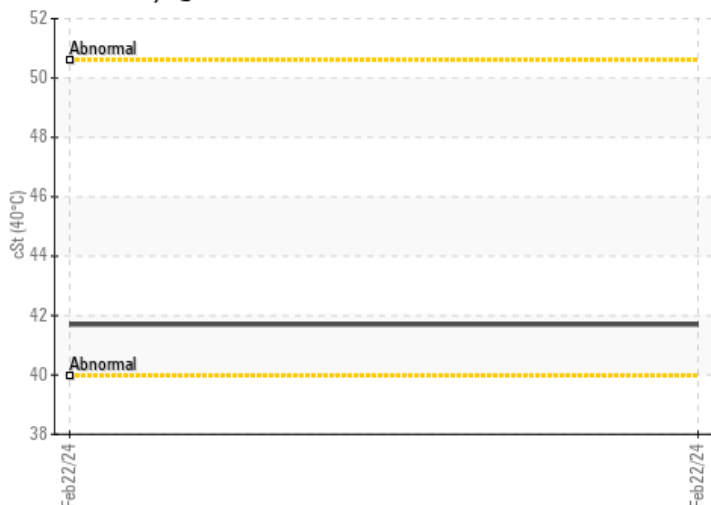
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Filter (Magn: 100 x)

