

LIEBHERR

CONSTRUCTION EQUIPMENT



152076 - Hydraulic System

Sample No: LH0278775

Oil Type: {unknown}



SAMPLE INFORMATION

Sample Number	LH0278775	---	---	---
Sample Date	15 Feb 2024	---	---	---
Machine Hours	2083	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
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 joseph.rodgers@liebherr.com
 T:
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OIL CONDITION

Visc @ 40°C	cSt	● 43.7	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		● 4343	---	---	---
Particles >6µm		● 1022	---	---	---
Particles >14µm		● 46	---	---	---
ISO 4406:1999 (c)		19/17/13	---	---	---
Silicon	ppm	● 4	---	---	---
Sodium	ppm	● 1	---	---	---
Potassium	ppm	● 1	---	---	---

Diagnosis

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. 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.



WEAR METALS

Iron	ppm	● 13	---	---	---
Copper	ppm	● 3	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

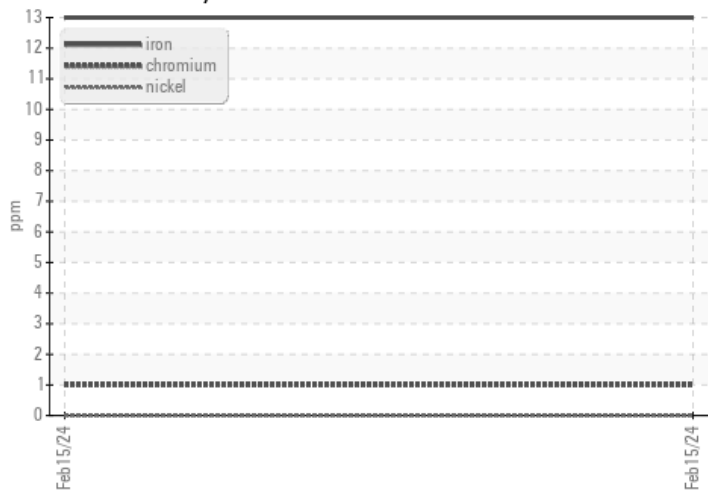
Calcium	ppm	945	---	---	---
Magnesium	ppm	5	---	---	---
Zinc	ppm	635	---	---	---
Phosphorus	ppm	558	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

Depot: LIEMIS
Unique No: 5733401
Signed: Wes Davis
Report Date: 20 Feb 2024

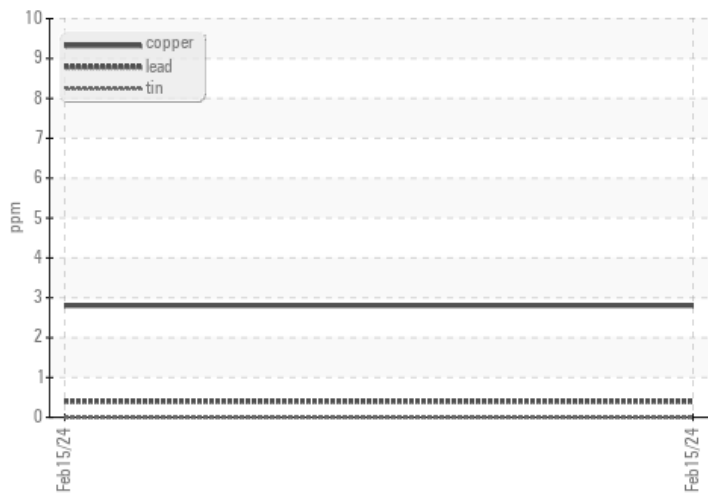


GRAPHS

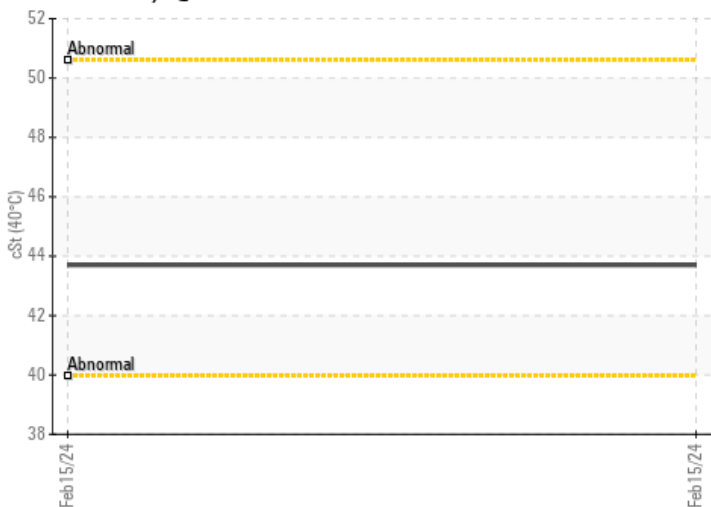
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

