

LIEBHERR

CONSTRUCTION EQUIPMENT



11763 - Hydraulic System

Sample No: LH0291159

Oil Type: {unknown}



Sample Information

Sample Number	LH0291159	---	---	---
Sample Date	06 May 2024	---	---	---
Machine Hours	7044	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

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 F: (905)319-6617



Oil Condition

Visc @ 40°C	cSt	39.8	---	---	---
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Contamination

Water	%	NEG	---	---	---
Particles >4µm		16646	---	---	---
Particles >6µm		4311	---	---	---
Particles >14µm		293	---	---	---
ISO 4406:1999 (c)		21/19/15	---	---	---
Silicon	ppm	0	---	---	---
Sodium	ppm	<1	---	---	---
Potassium	ppm	0	---	---	---

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.



Wear Metals

PQ		0	---	---	---
Iron	ppm	25	---	---	---
Copper	ppm	1	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	0	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



Additives

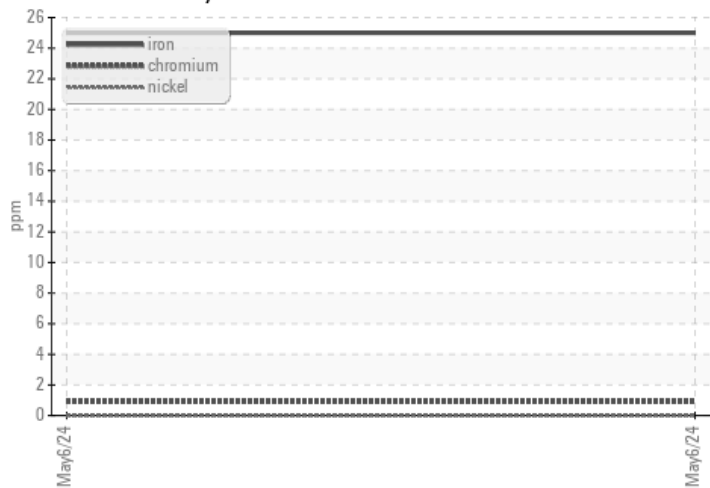
Calcium	ppm	174	---	---	---
Magnesium	ppm	15	---	---	---
Zinc	ppm	577	---	---	---
Phosphorus	ppm	457	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

Depot: LIEMIS
 Unique No: 5775049
 Signed: Kevin Marson
 Report Date: 08 May 2024

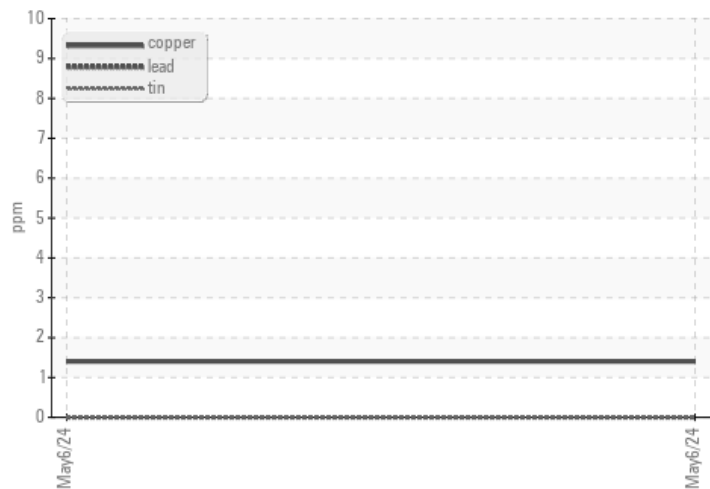


Graphs

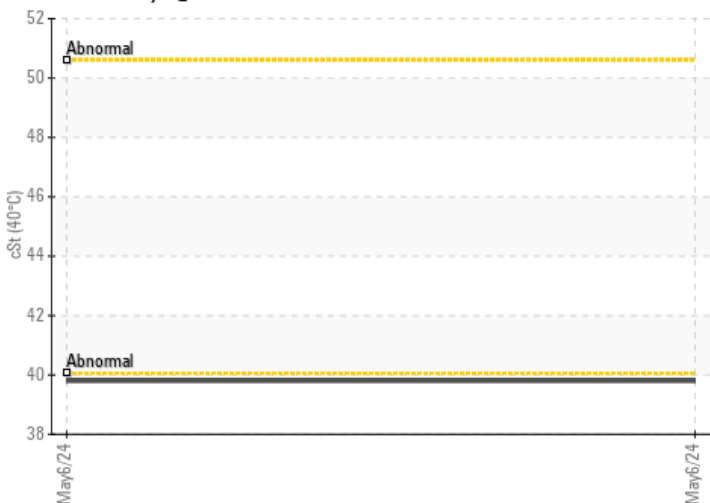
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

