

LIEBHERR

CONSTRUCTION EQUIPMENT



TH-05 - Hydraulic System

Sample No: LH
 Oil Type: {unknown}



Sample Information

Sample Number	LH	---	---	---
Sample Date	29 Apr 2024	---	---	---
Machine Hours	2267	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

COUNTY OF ST. PAUL NO. 19
 5015 - 49 AVENUE
 ST. PAUL, AB
 CA T0A 3A4
 Contact: Brent Lilje
 blilje@county.stpaul.ab.ca
 T: (780)645-3006
 F:



Oil Condition

Visc @ 40°C	cSt	29.9	---	---	---
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Contamination

Water	%	NEG	---	---	---
Particles >4µm		644	---	---	---
Particles >6µm		170	---	---	---
Particles >14µm		19	---	---	---
ISO 4406:1999 (c)		17/15/11	---	---	---
Silicon	ppm	<1	---	---	---
Sodium	ppm	2	---	---	---
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	4	---	---	---
Copper	ppm	3	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



Additives

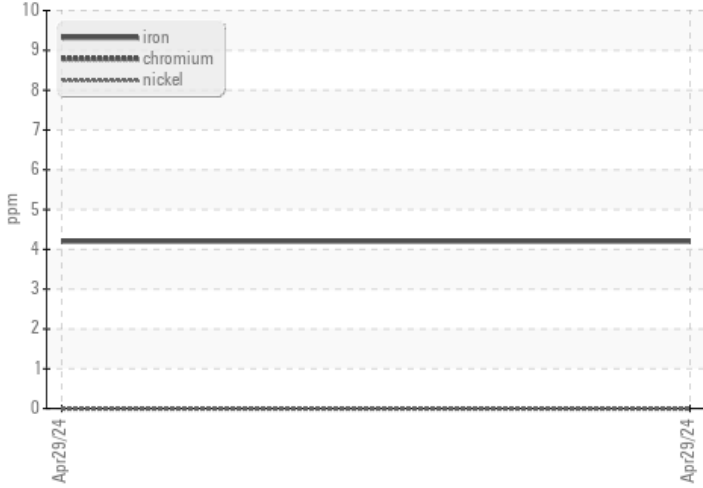
Calcium	ppm	502	---	---	---
Magnesium	ppm	2	---	---	---
Zinc	ppm	476	---	---	---
Phosphorus	ppm	410	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

Depot: COU501STP
 Unique No: 5776458
 Signed: Kevin Marson
 Report Date: 15 May 2024

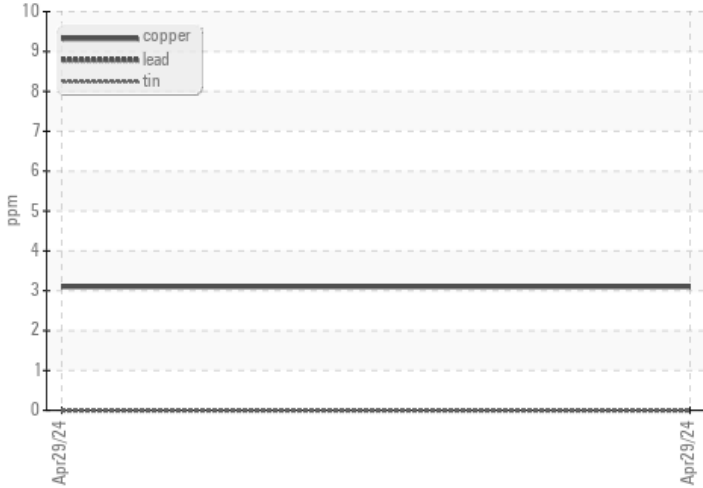


Graphs

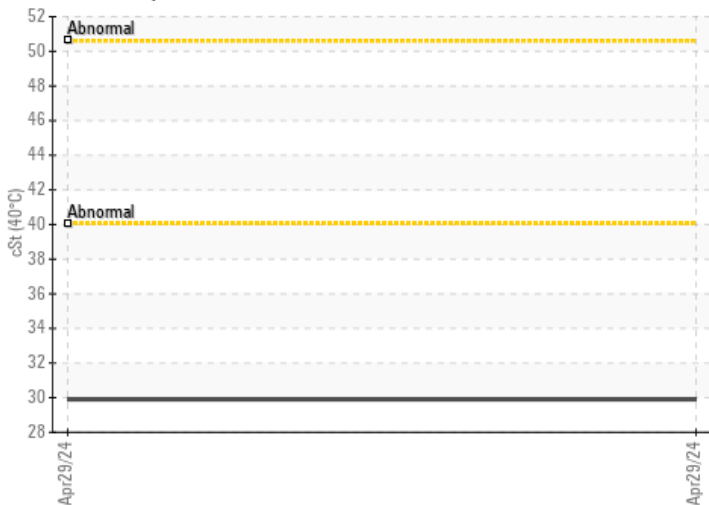
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

