

LIEBHERR

CONSTRUCTION EQUIPMENT



[BLANCHARD] LIEBHERR LH22 139277 - Hydraulic System

Sample No: LH0282716

Oil Type: {unknown}



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

Sample Number	LH0282716	---	---	---
Sample Date	08 Apr 2024	---	---	---
Machine Hours	2161	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---



Oil Condition

Visc @ 40°C	cSt	● 42.4	---	---	---
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Contamination

Water	%	NEG	---	---	---
Particles >4µm		● 5836	---	---	---
Particles >6µm		● 1475	---	---	---
Particles >14µm		● 78	---	---	---
ISO 4406:1999 (c)		20/18/13	---	---	---
Silicon	ppm	● 5	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	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.



Wear Metals

Iron	ppm	● 12	---	---	---
Copper	ppm	● 4	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	● 0	---	---	---



Additives

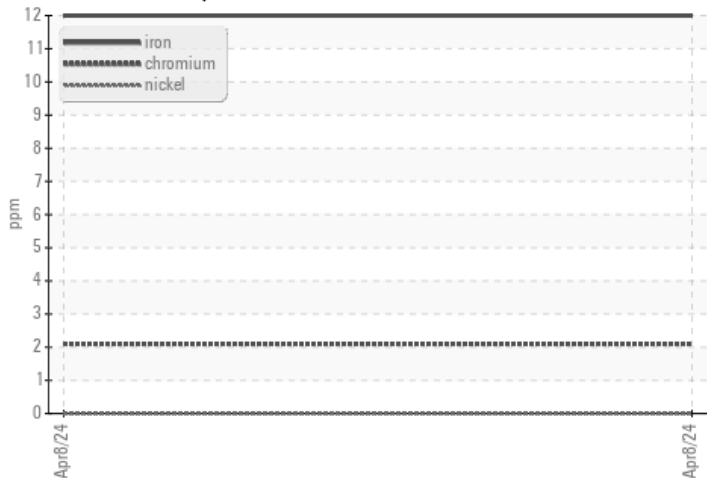
Calcium	ppm	1159	---	---	---
Magnesium	ppm	4	---	---	---
Zinc	ppm	707	---	---	---
Phosphorus	ppm	597	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

Depot: LIEMIS
 Unique No: 5762005
 Signed: Wes Davis
 Report Date: 16 Apr 2024

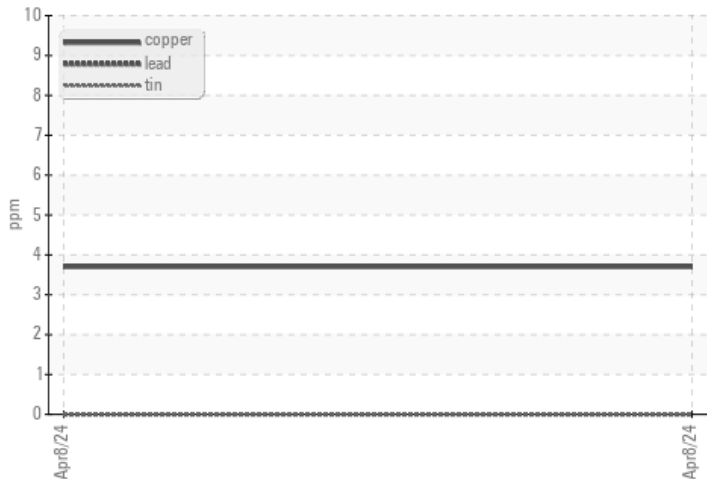


Graphs

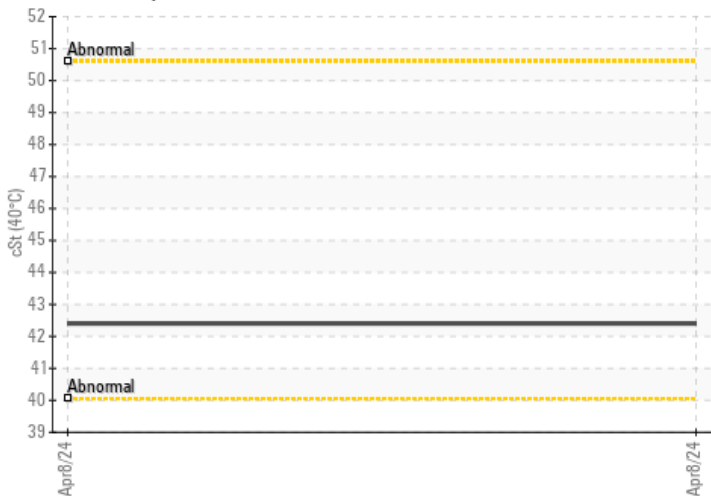
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

