

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [FRAM ENTERPRISES] LIEBHERR A900 038013 - Hydraulic Sys

Sample No: LH0287894

Oil Type: {unknown}



**LIEBHERR CANADA**  
 10 LYNDS AVENUE  
 MONCTON, NB  
 CA E1H 3K2  
 Contact: Bryan Wood  
 bryan.wood@liebherr.com  
 T:  
 F: (506)854-2940



#### Sample Information

Sample Number	LH0287894	---	---	---
Sample Date	18 Apr 2024	---	---	---
Machine Hours	11352	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



#### Oil Condition

Visc @ 40°C	cSt	● 42.8	---	---	---
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#### Contamination

Water	%	NEG	---	---	---
Particles >4µm		● 18112	---	---	---
Particles >6µm		● 971	---	---	---
Particles >14µm		● 79	---	---	---
ISO 4406:1999 (c)		21/17/13	---	---	---
Silicon	ppm	● 6	---	---	---
Sodium	ppm	● 5	---	---	---
Potassium	ppm	● 2	---	---	---



#### Wear Metals

Iron	ppm	● 13	---	---	---
Copper	ppm	● 6	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 3	---	---	---
Chromium	ppm	● 4	---	---	---
Molybdenum	ppm	17	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



#### Additives

Calcium	ppm	605	---	---	---
Magnesium	ppm	228	---	---	---
Zinc	ppm	725	---	---	---
Phosphorus	ppm	644	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	39	---	---	---

#### Diagnosis

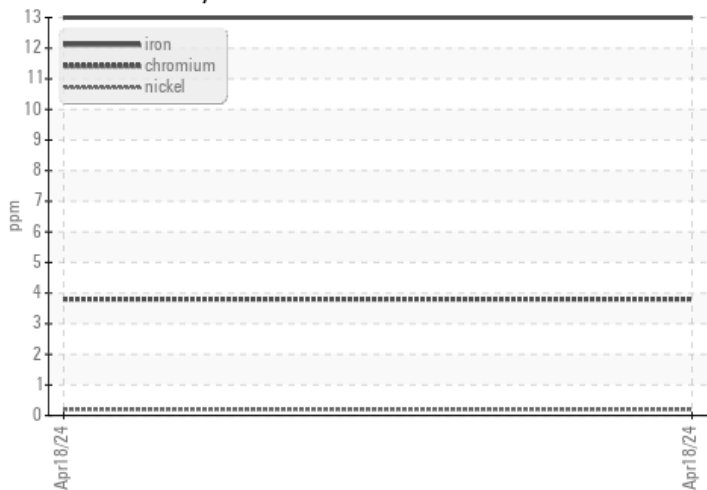
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.

**Depot:** LIEMON  
**Unique No:** 5763740  
**Signed:** Kevin Marson  
**Report Date:** 23 Apr 2024

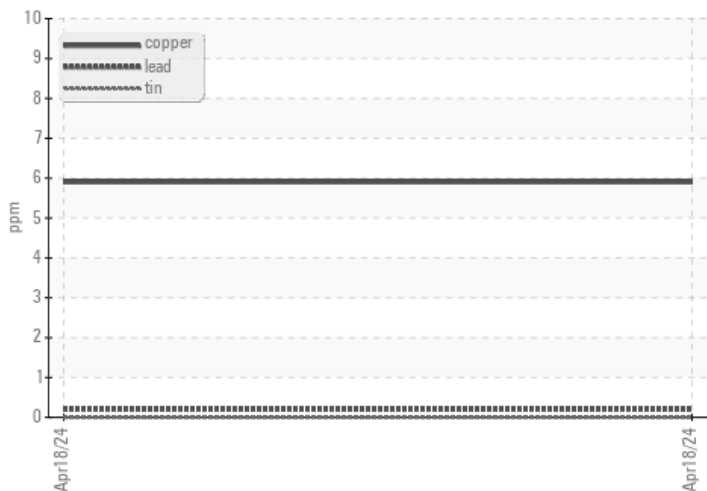


### Graphs

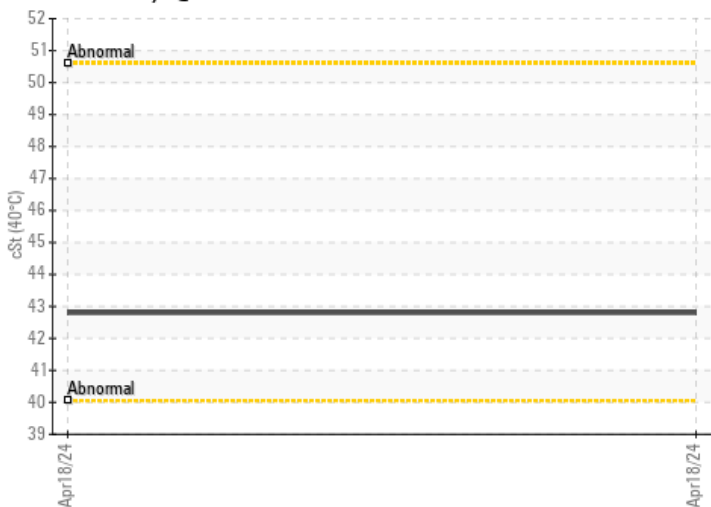
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

