

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 156991 - Hydraulic System

Sample No: LH0285076

Oil Type: {unknown}



**LIEBHERR CANADA LTD.**  
 1015 SUTTON DRIVE  
 BURLINGTON, ON  
 CA L7L 5Z8  
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#### SAMPLE INFORMATION

Sample Number	LH0285076	---	---	---
Sample Date	04 Mar 2024	---	---	---
Machine Hours	1005	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 43.1	---	---	---
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#### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		● 2595	---	---	---
Particles >6µm		● 518	---	---	---
Particles >14µm		● 28	---	---	---
ISO 4406:1999 (c)		19/16/12	---	---	---
Silicon	ppm	● 2	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● 1	---	---	---



#### WEAR METALS

Iron	ppm	● 17	---	---	---
Copper	ppm	● 2	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 0	---	---	---
Vanadium	ppm	● 0	---	---	---



#### ADDITIVES

Calcium	ppm	788	---	---	---
Magnesium	ppm	5	---	---	---
Zinc	ppm	766	---	---	---
Phosphorus	ppm	644	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

#### Diagnosis

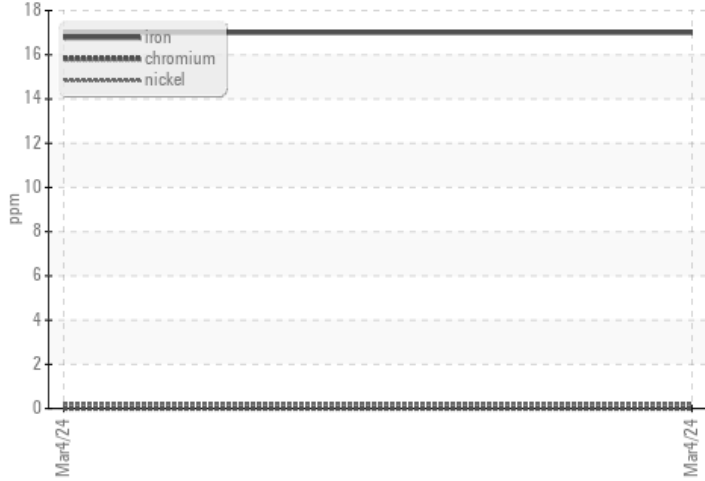
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition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

Depot: LIEMIS  
 Unique No: 5737067  
 Signed: Wes Davis  
 Report Date: 05 Mar 2024

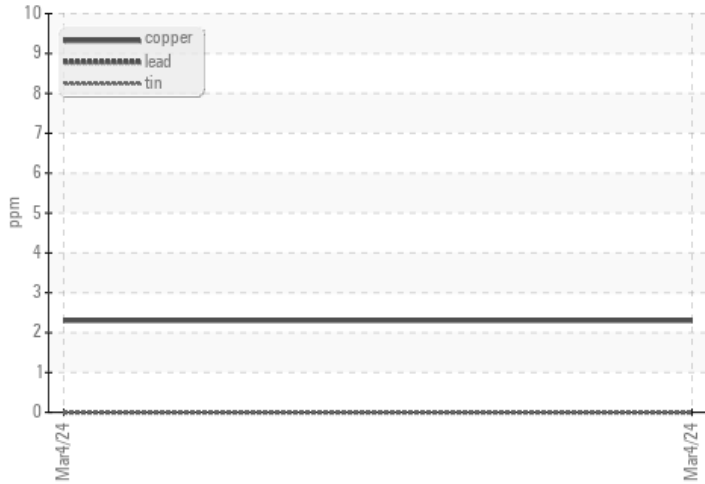


### GRAPHS

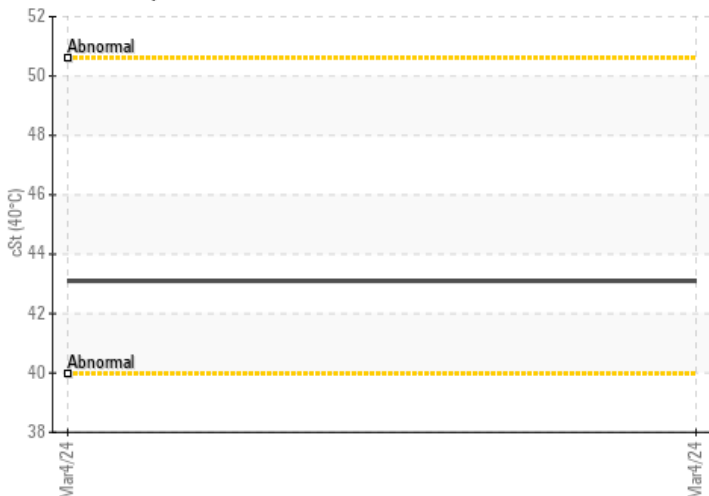
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

