

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [CNRL] 2210 - Hoist

Sample No: LH0265155

Oil Type: {unknown}



#### Sample Information

Sample Number	LH0265155	---	---	---
Sample Date	26 Jun 2024	---	---	---
Machine Hours	25320	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

#### Liebherr-Canada Ltd.

Fort McKay Industrial Park, Lot No. 12 and 13  
 Fort McMurray, AB  
 CA T9H 5N3  
 Contact: Corey Ekroth  
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 T: (780)791-2967  
 F:



#### Oil Condition

Visc @ 40°C	cSt	38.6	---	---	---
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#### Contamination

Water	%	NEG	---	---	---
Particles >4µm		2652	---	---	---
Particles >6µm		786	---	---	---
Particles >14µm		86	---	---	---
ISO 4406:1999 (c)		19/17/14	---	---	---
Silicon	ppm	8	---	---	---
Sodium	ppm	<1	---	---	---
Potassium	ppm	<1	---	---	---

#### Diagnosis

We recommend you service the filters on this component. 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. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The condition of the oil is acceptable for the time in service.



#### Wear Metals

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



#### Additives

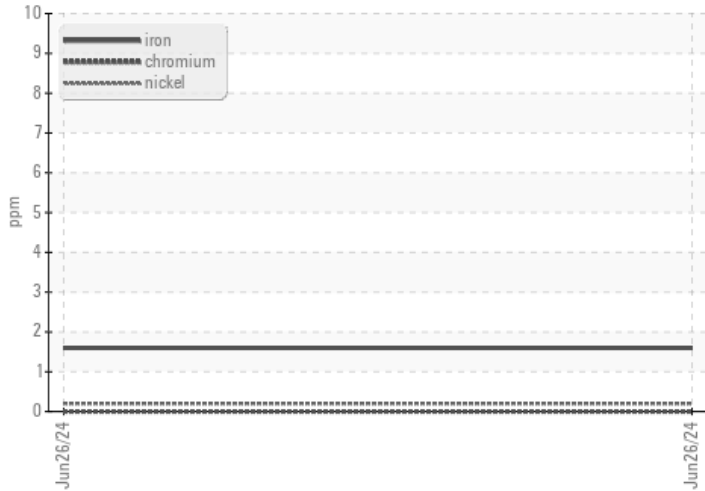
Calcium	ppm	3290	---	---	---
Magnesium	ppm	13	---	---	---
Zinc	ppm	1031	---	---	---
Phosphorus	ppm	867	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	1	---	---	---

Depot: LIEFTM  
 Unique No: 5803081  
 Signed: Kevin Marson  
 Report Date: 12 Jul 2024

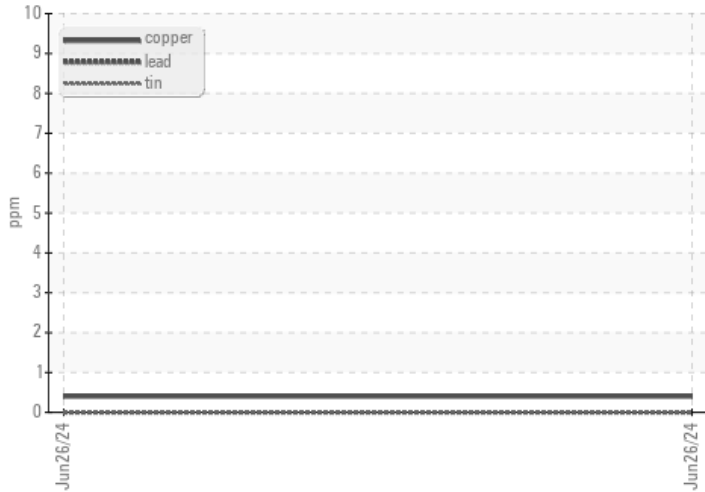


### Graphs

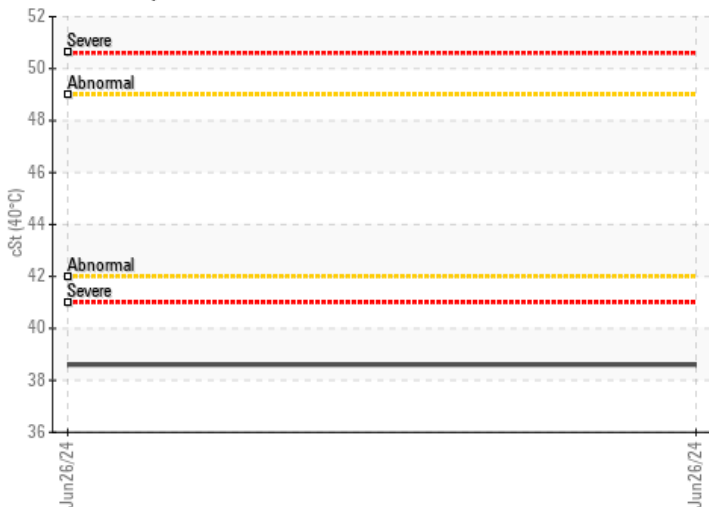
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

