

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### - Hydraulic System

Sample No: LH06176059

Oil Type: {unknown}



**SADOFF**  
2055 SOUTH 108TH STREET  
MILWAUKEE, WI  
US 53227  
Contact: RAY SCHMIDT

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F: (414)541-1892



### Sample Information

Sample Number	LH06176059	---	---	---
Sample Date	09 May 2024	---	---	---
Machine Hours	1069	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---



### Oil Condition

Visc @ 40°C	cSt	43.1	---	---	---
Acid Number (AN)	mg KOH/g	1.37	---	---	---



### Contamination

Water	%	NEG	---	---	---
Particles >4µm		3561	---	---	---
Particles >6µm		350	---	---	---
Particles >14µm		9	---	---	---
ISO 4406:1999 (c)		19/16/10	---	---	---
Silicon	ppm	3	---	---	---
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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### Wear Metals

Iron	ppm	13	---	---	---
Copper	ppm	1	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



### Additives

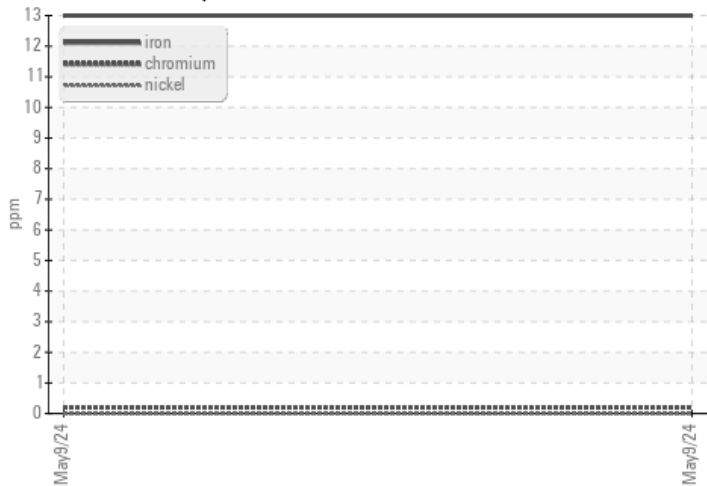
Calcium	ppm	1218	---	---	---
Magnesium	ppm	8	---	---	---
Zinc	ppm	660	---	---	---
Phosphorus	ppm	609	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

**Depot:** SADMIL  
**Unique No:** 11022112  
**Signed:** Wes Davis  
**Report Date:** 14 May 2024

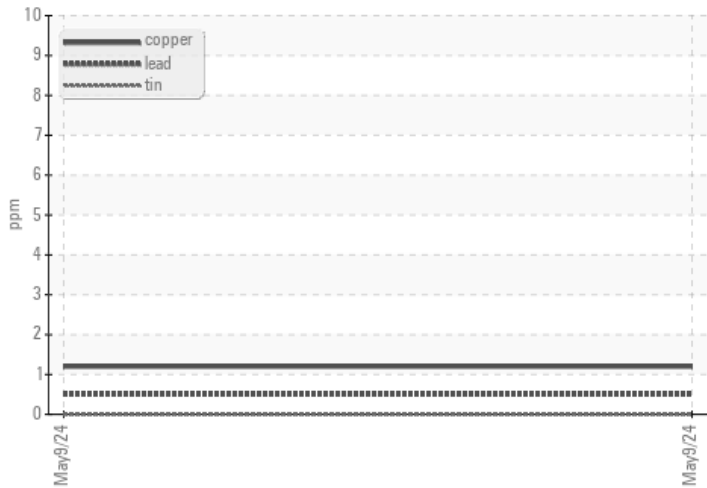


### Graphs

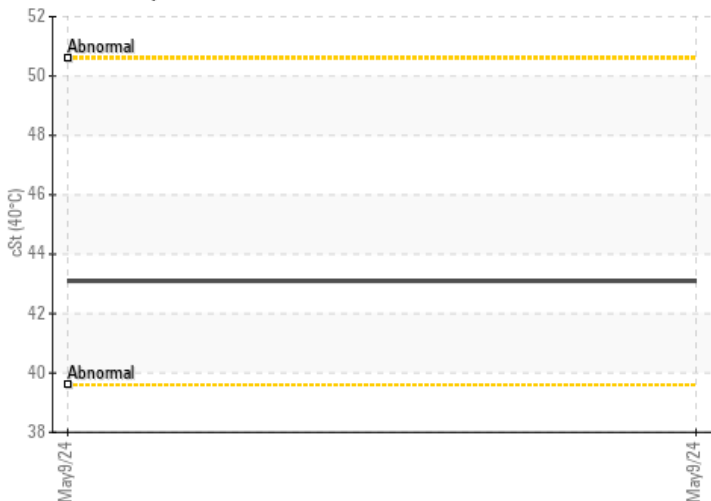
#### Ferrous Alloys



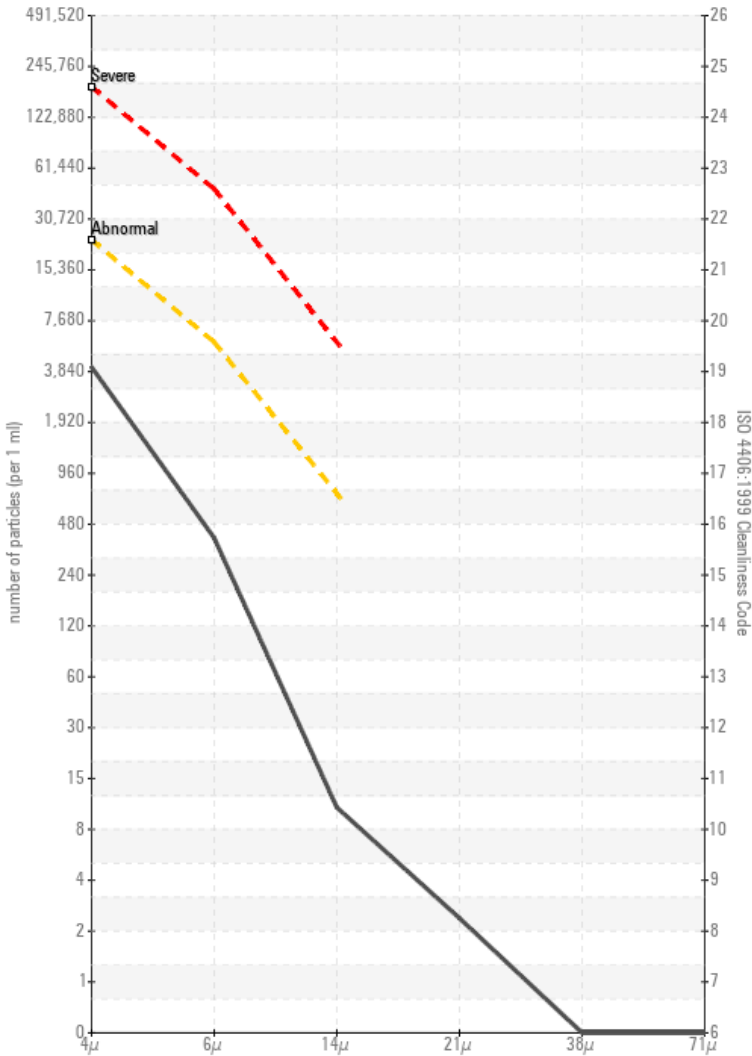
#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count



#### Acid Number

