

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R956 045059-1476 - Hydraulic System

Sample No: LHMC93500

Oil Type: LIEBHERR HYDRAULIC HVI



#### Sample Information

Sample Number	LHMC93500	---	---	---
Sample Date	29 Mar 2024	---	---	---
Machine Hours	7962	---	---	---
Oil Hours	2	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**BANE MACHINERY INC**  
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 US 76177  
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 F:



#### Oil Condition

Visc @ 40°C	cSt	54.8	---	---	---
Acid Number (AN)	mg KOH/g	0.54	---	---	---



#### Contamination

Water	%	NEG	---	---	---
Particles >4µm		12741	---	---	---
Particles >6µm		1206	---	---	---
Particles >14µm		61	---	---	---
ISO 4406:1999 (c)		21/17/13	---	---	---
Silicon	ppm	2	---	---	---
Sodium	ppm	0	---	---	---
Potassium	ppm	2	---	---	---

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



#### Wear Metals

Iron	ppm	5	---	---	---
Copper	ppm	1	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



#### Additives

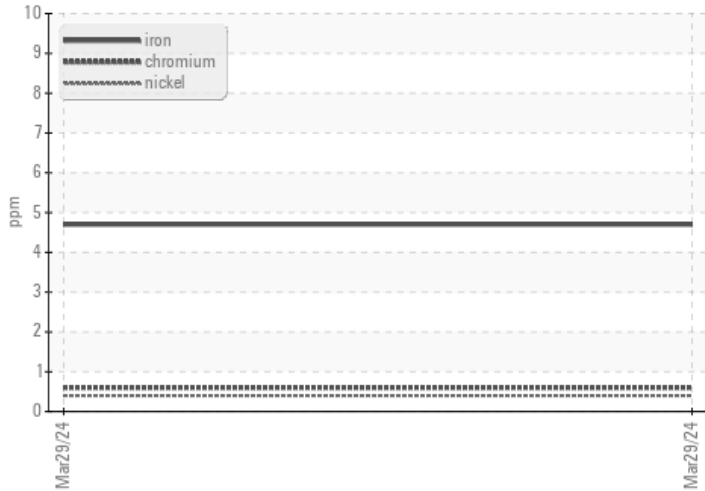
Calcium	ppm	805	---	---	---
Magnesium	ppm	6	---	---	---
Zinc	ppm	420	---	---	---
Phosphorus	ppm	383	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

**Depot:** BANFOR  
**Unique No:** 10992293  
**Signed:** Angela Borella  
**Report Date:** 24 Apr 2024

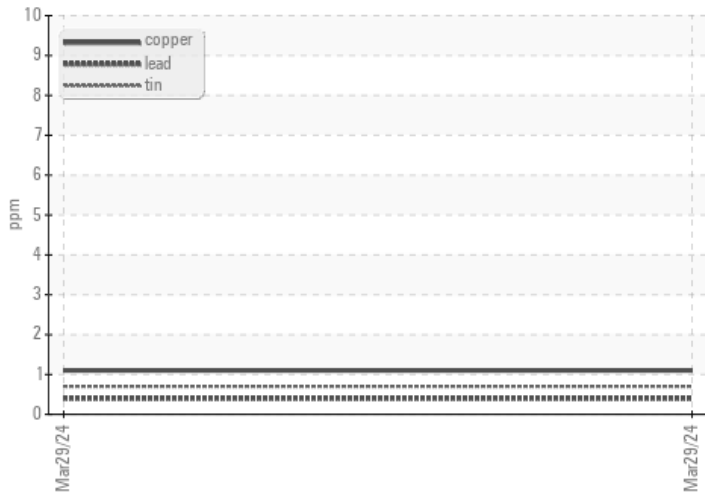


### Graphs

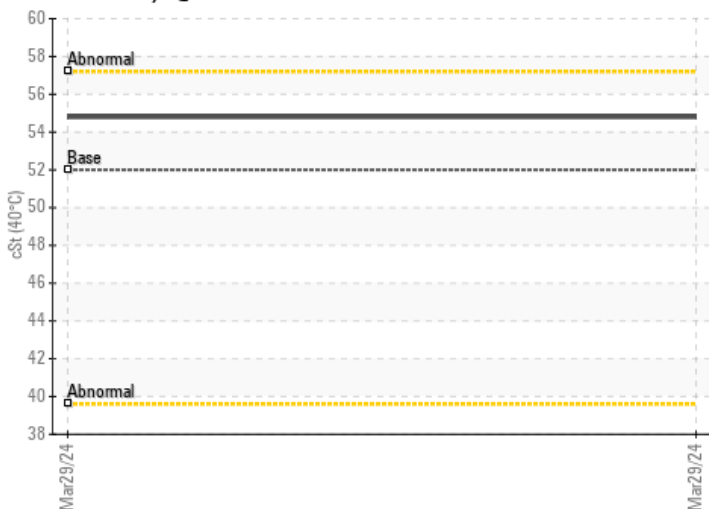
#### Ferrous Alloys



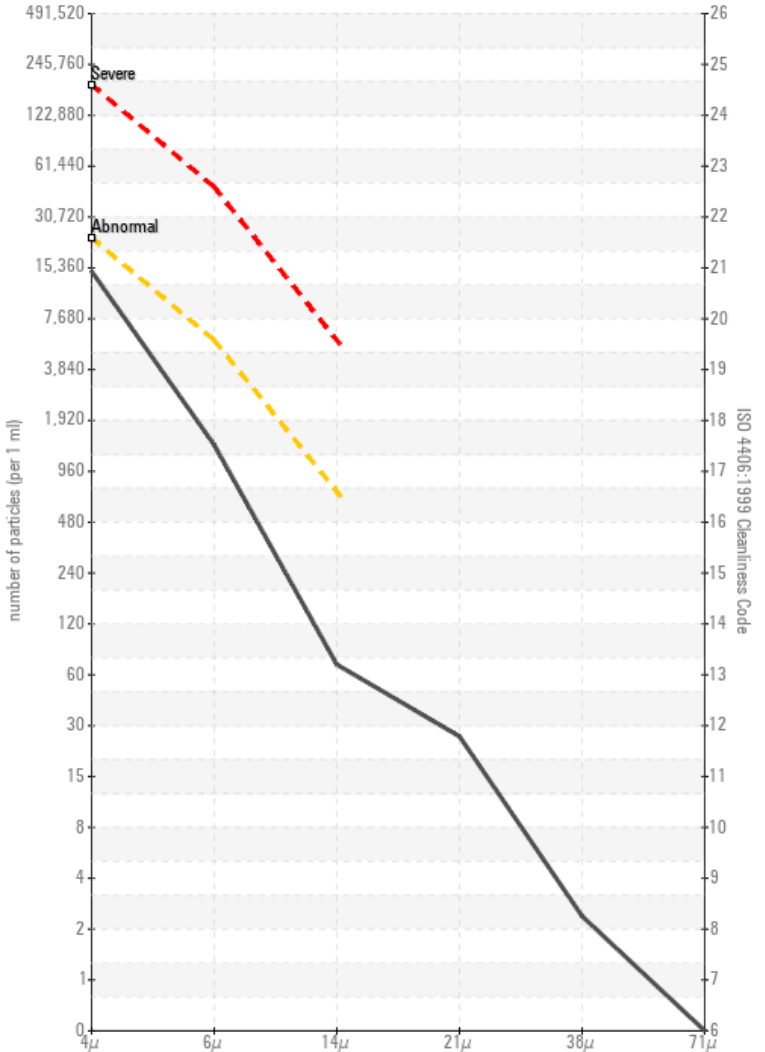
#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count



#### Acid Number

