

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 135924 - Hydraulic System

Sample No: LH0264481

Oil Type: AW 36



#### SAMPLE INFORMATION

Sample Number	LH0264481	---	---	---
Sample Date	24 Mar 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

**LIEBHERR NENZING CRANE CO.**  
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 US 77028  
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 T:  
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#### OIL CONDITION

Visc @ 40°C	cSt	33.9	---	---	---
Acid Number (AN)	mg KOH/g	0.456	---	---	---



#### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		3042	---	---	---
Particles >6µm		830	---	---	---
Particles >14µm		53	---	---	---
ISO 4406:1999 (c)		19/17/13	---	---	---
Silicon	ppm	<1	---	---	---
Sodium	ppm	5	---	---	---
Potassium	ppm	<1	---	---	---

#### 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	1	---	---	---
Copper	ppm	7	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	0	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

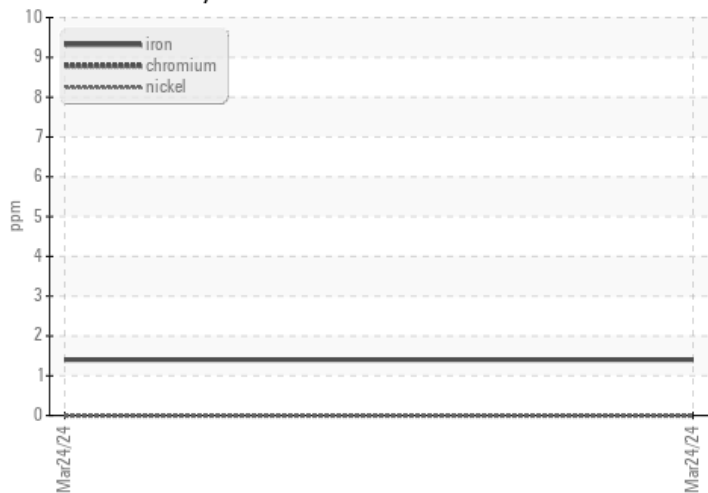
Calcium	ppm	116	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	322	---	---	---
Phosphorus	ppm	349	---	---	---
Barium	ppm	8	---	---	---
Boron	ppm	8	---	---	---

**Depot:** LIEBHERRNZ  
**Unique No:** 10941865  
**Signed:** Jonathan Hester  
**Report Date:** 27 Mar 2024

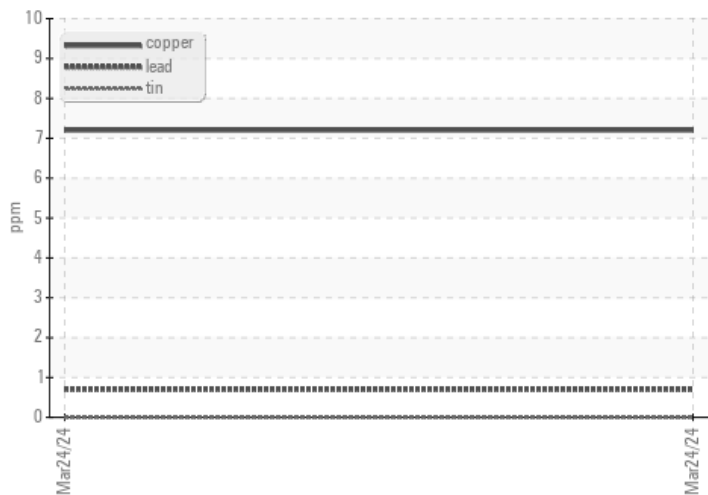


### GRAPHS

#### Ferrous Alloys



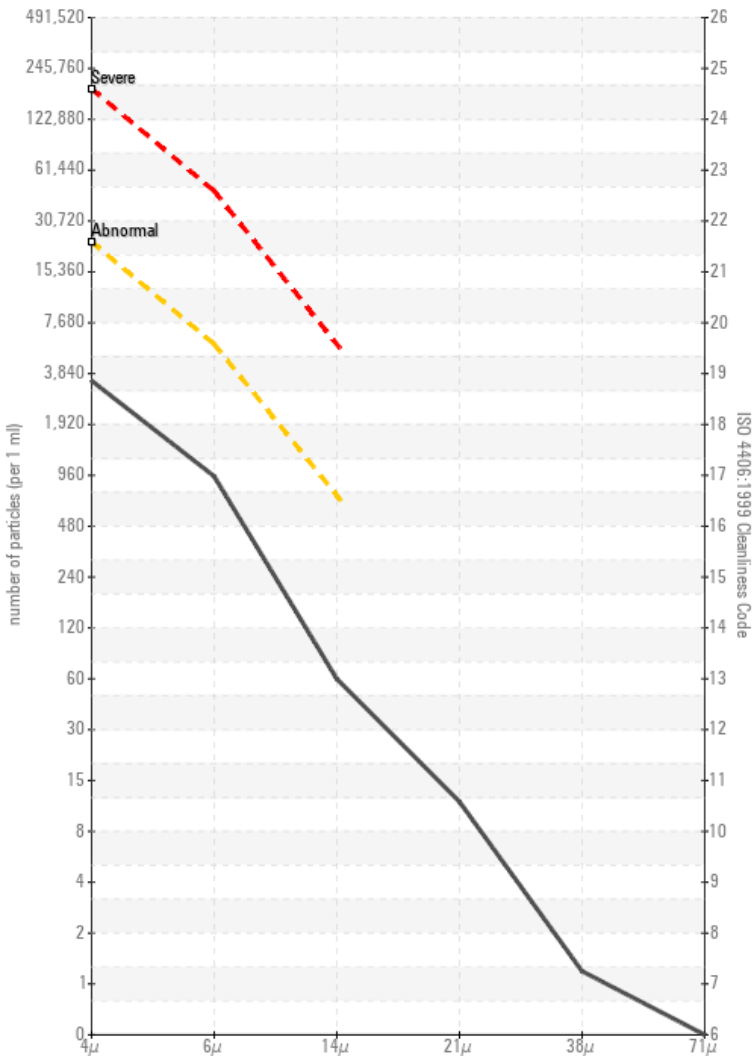
#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count



#### Acid Number

