LIEBHERR
CONSTRUCTION EQUIPMENT

LIEBHERR LTM1070-4.2 060759 - Hydraulic System

Sample No: LH0259054

Oil Type: LIEBHERR HYDRAULIC 37

SAMPLE INFORMATION

Sample Number		**LH0259054**	---	---	---
Sample Date		**23 Jan 2024**	---	---	---
Machine Hours		**0**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Changed**	---	---	---
Sample Status		**ATTENTION**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**35.2**	---	---	---
Acid Number (AN)	mg KOH/g	**0.252**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**14555**	---	---	---
Particles >6µm		**5655**	---	---	---
Particles >14µm		**744**	---	---	---
ISO 4406:1999 (c)		**21/20/17**	---	---	---
Silicon	ppm	**<1**	---	---	---
Sodium	ppm	**2**	---	---	---
Potassium	ppm	**0**	---	---	---

WEAR METALS

Iron	ppm	**3**	---	---	---
Copper	ppm	**4**	---	---	---
Lead	ppm	**<1**	---	---	---
Tin	ppm	**0**	---	---	---
Aluminum	ppm	**0**	---	---	---
Chromium	ppm	**<1**	---	---	---
Molybdenum	ppm	**0**	---	---	---
Nickel	ppm	**0**	---	---	---
Titanium	ppm	**0**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**0**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**38**	---	---	---
Magnesium	ppm	**5**	---	---	---
Zinc	ppm	**228**	---	---	---
Phosphorus	ppm	**200**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**0**	---	---	---

LIEBHERR USA CO - MOBILE AND CRAWLER CRANES
4100 CHESTNUT AVENUE
NEWPORT NEWS, VA
US 23607
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T:
F:

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Depot: LIENEW
Unique No: 10847709
Signed: Don Baldridge
Report Date: 29 Jan 2024

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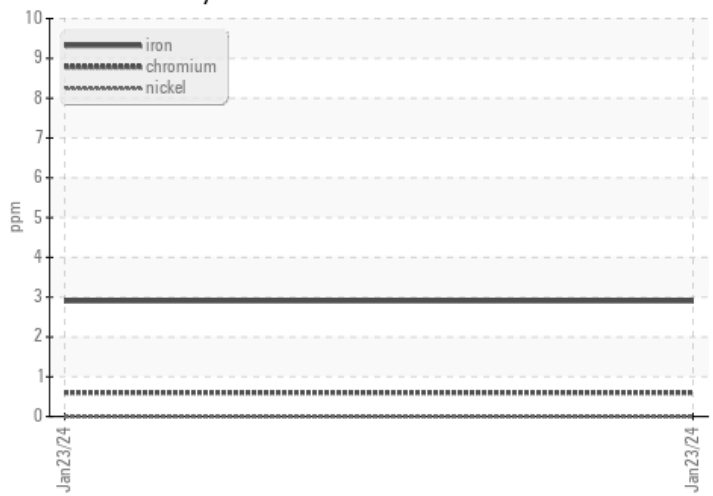
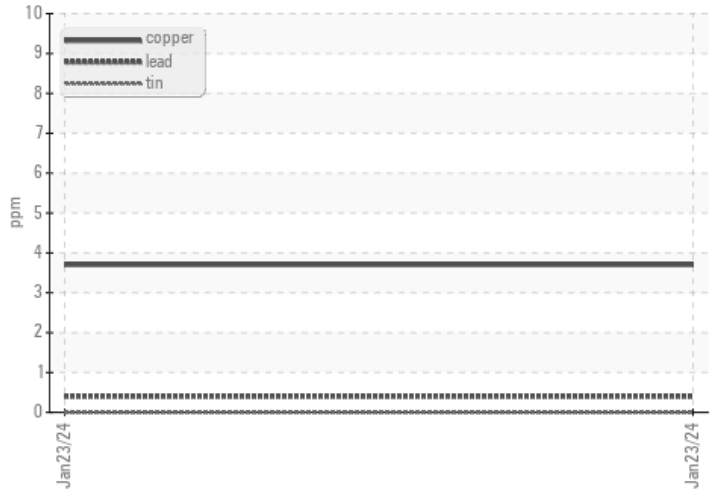
GRAPHS

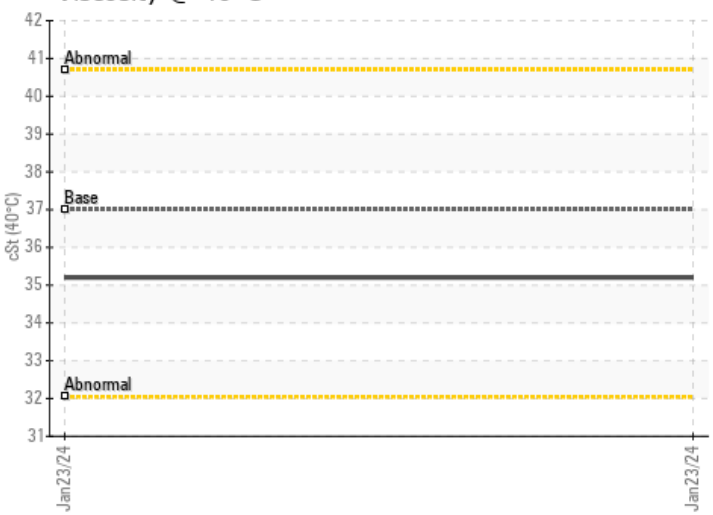
Ferrous Alloys



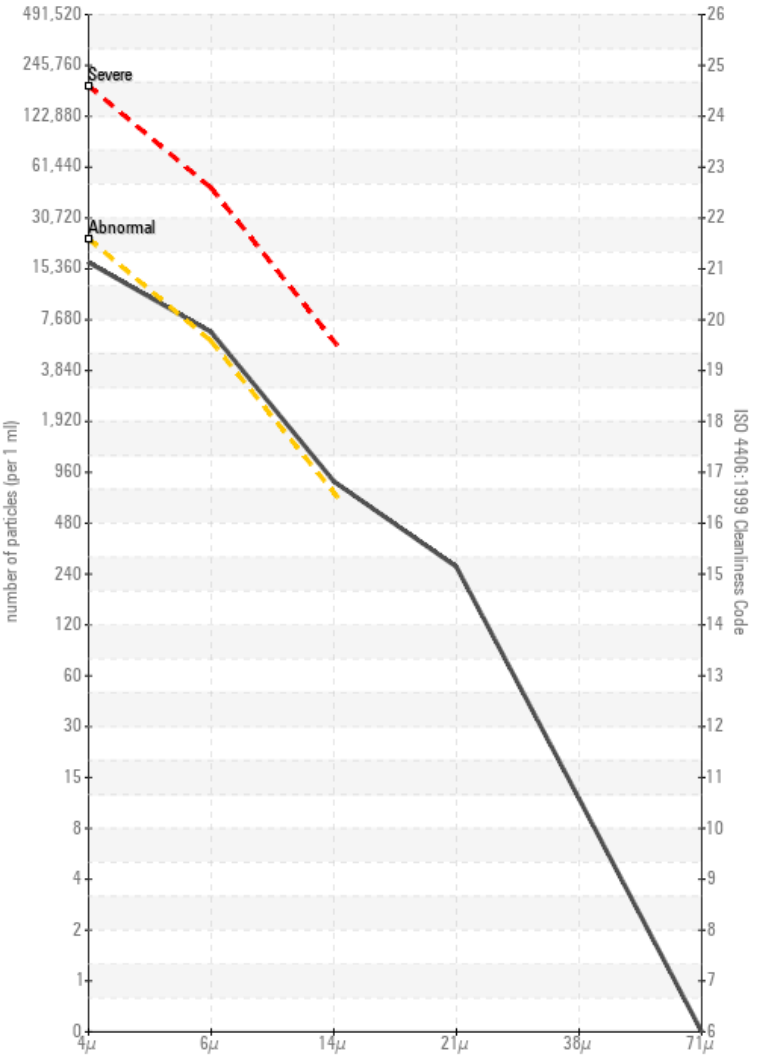
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number