

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LTM1130-5.1066718 - Hydraulic System

Sample No: LH0259097

Oil Type: LIEBHERR HYDRAULIC 37



SAMPLE INFORMATION

Sample Number	LH0259097	---	---	---
Sample Date	14 Feb 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR USA CO - MOBILE AND CRAWLER CRANES
 4100 CHESTNUT AVENUE
 NEWPORT NEWS, VA
 US 23607
 Contact: TERENCE VANDERLENDE
 TERENCE.VANDERLENDE@LIEBHERR.COM
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	35.6	---	---	---
Acid Number (AN)	mg KOH/g	0.16	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		19561	---	---	---
Particles >6µm		1878	---	---	---
Particles >14µm		311	---	---	---
ISO 4406:1999 (c)		21/18/15	---	---	---
Silicon	ppm	<1	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	2	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. 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	8	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

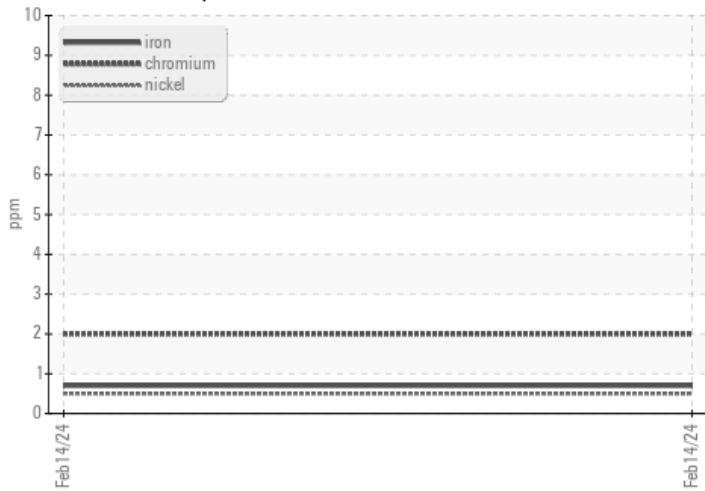
Calcium	ppm	50	---	---	---
Magnesium	ppm	11	---	---	---
Zinc	ppm	280	---	---	---
Phosphorus	ppm	260	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: LIENEW
 Unique No: 10886427
 Signed: Don Baldrige
 Report Date: 21 Feb 2024

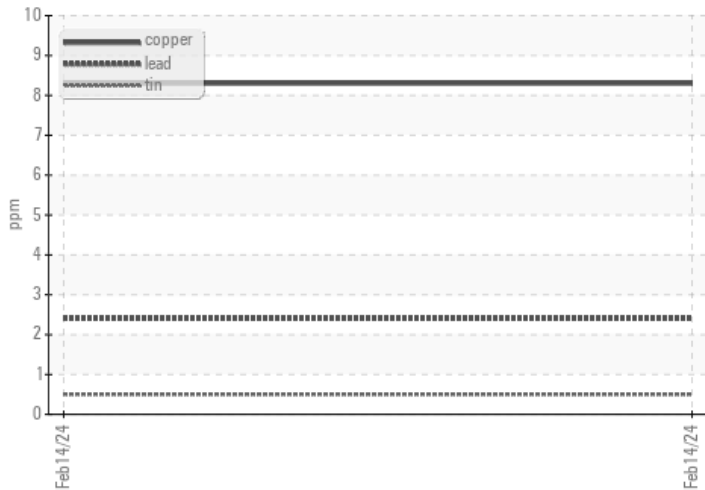


GRAPHS

Ferrous Alloys



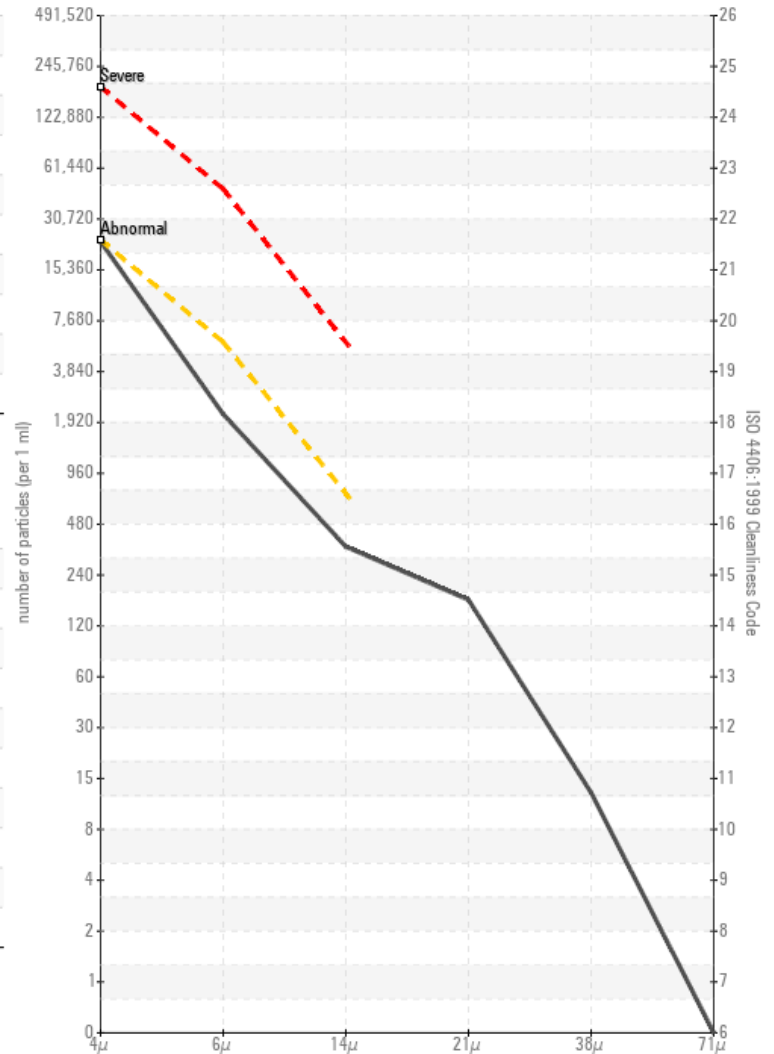
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

