

LIEBHERR

CONSTRUCTION EQUIPMENT



[[BANCROFT CONTRACTING]] LIEBHERR LTM1750-9.1096358 - Hydraulic System

Sample No: LHMC148018

Oil Type: AW HYDRAULIC OIL ISO 32



SAMPLE INFORMATION

Sample Number	LHMC148018	---	---	---
Sample Date	12 Dec 2023	---	---	---
Machine Hours	309	---	---	---
Oil Hours	309	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR USA CO - MOBILE AND CRAWLER CRANES
 4100 CHESTNUT AVENUE
 NEWPORT NEWS, VA
 US 23607
 Contact: CHRIS JONES
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 T: (757)245-5251
 F:



OIL CONDITION

Visc @ 40°C	cSt	36.1	---	---	---
Acid Number (AN)	mg KOH/g	0.35	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		2352	---	---	---
Particles >6µm		243	---	---	---
Particles >14µm		19	---	---	---
ISO 4406:1999 (c)		18/15/11	---	---	---
Silicon	ppm	1	---	---	---
Sodium	ppm	<1	---	---	---
Potassium	ppm	<1	---	---	---

Diagnosis

Resample at the next service interval to monitor. 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	<1	---	---	---
Copper	ppm	1	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

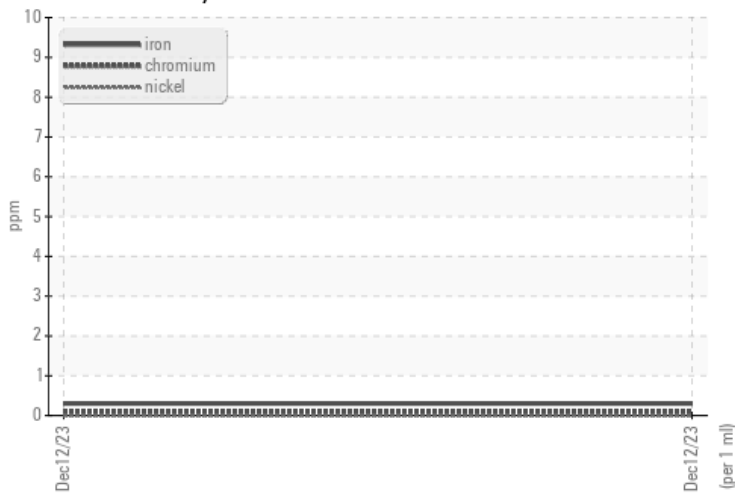
Calcium	ppm	54	---	---	---
Magnesium	ppm	3	---	---	---
Zinc	ppm	395	---	---	---
Phosphorus	ppm	344	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: LIENEW
 Unique No: 10804583
 Signed: Wes Davis
 Report Date: 27 Dec 2023

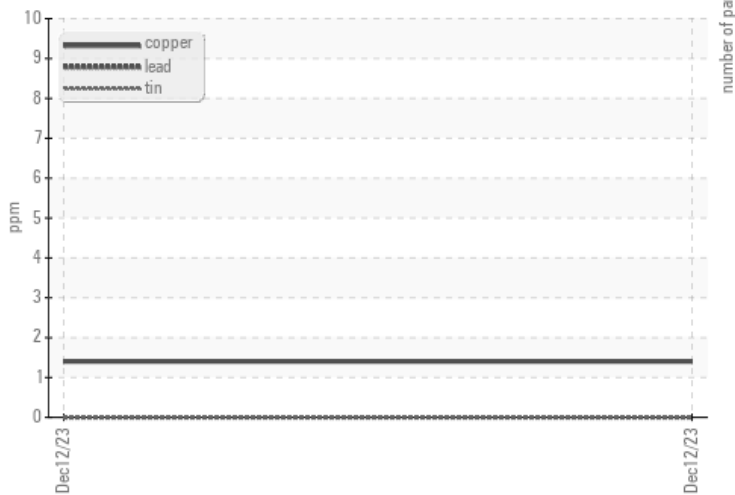


GRAPHS

Ferrous Alloys



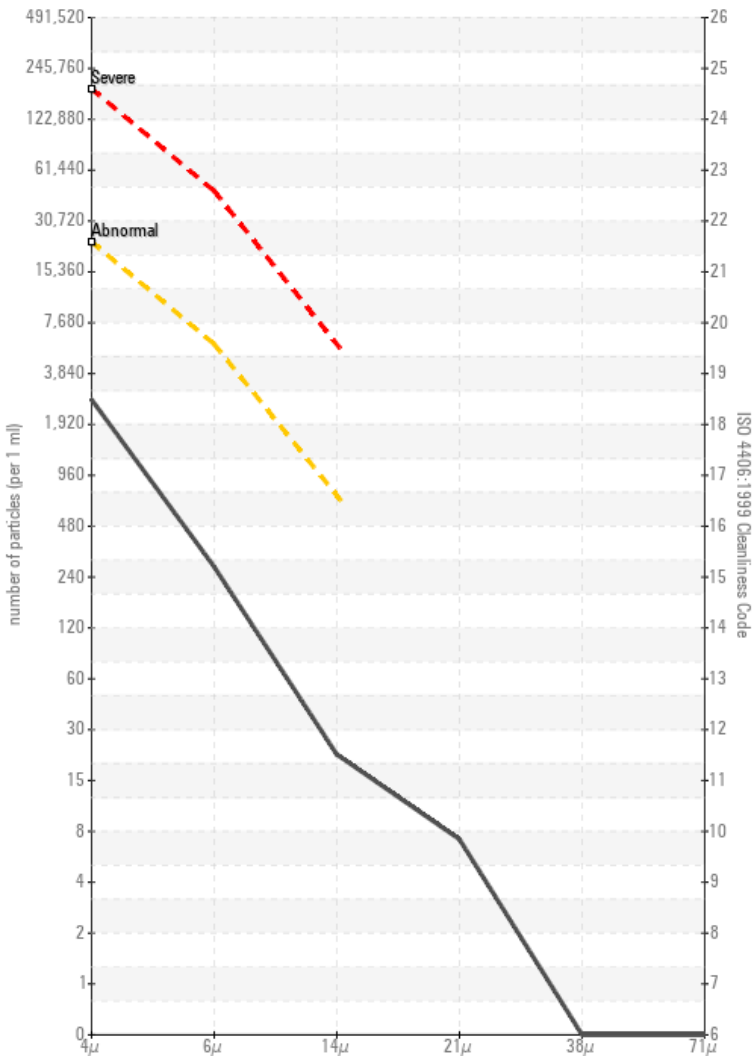
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

