

LIEBHERR

CONSTRUCTION EQUIPMENT



[[BIGGIE CRANE]] LIEBHERR LR1700 046254 - Hydraulic System

Sample No: LH0236078

Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH0236078	---	---	---
Sample Date	26 Oct 2023	---	---	---
Machine Hours	1626	---	---	---
Oil Hours	600	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR USA CO - MOBILE AND CRAWLER CRANES
 4100 CHESTNUT AVENUE
 NEWPORT NEWS, VA
 US 23607
 Contact: JOHNATHAN SMITH
 johnathan.smith@liebherr.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	26.8	---	---	---
Acid Number (AN)	mg KOH/g	0.20	---	---	---



CONTAMINATION

Particles >4µm		16012	---	---	---
Particles >6µm		2874	---	---	---
Particles >14µm		62	---	---	---
ISO 4406:1999 (c)		21/19/13	---	---	---
Silicon	ppm	1	---	---	---
Sodium	ppm	<1	---	---	---
Potassium	ppm	0	---	---	---



WEAR METALS

Iron	ppm	1	---	---	---
Copper	ppm	9	---	---	---
Lead	ppm	2	---	---	---
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	15	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	105	---	---	---
Phosphorus	ppm	57	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Diagnosis

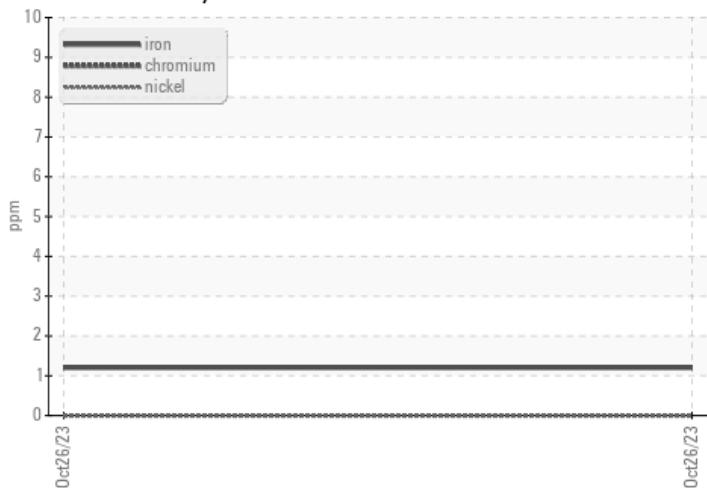
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. Tests do not reveal cause for reported problem. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: LIENEW
 Unique No: 10726779
 Signed: Don Baldrige
 Report Date: 07 Nov 2023

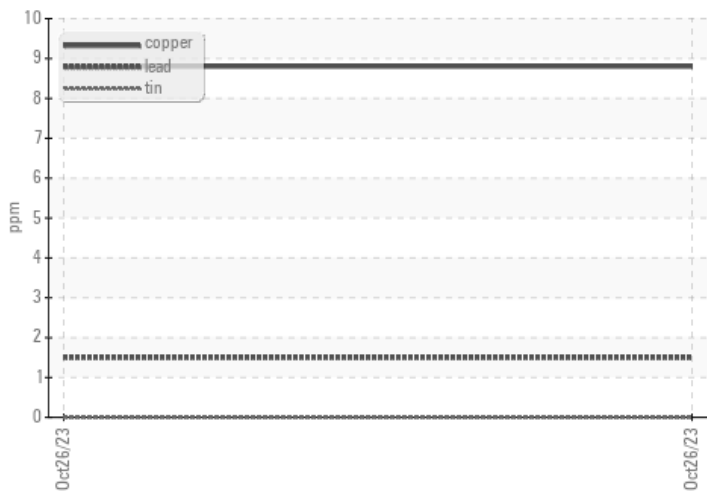


GRAPHS

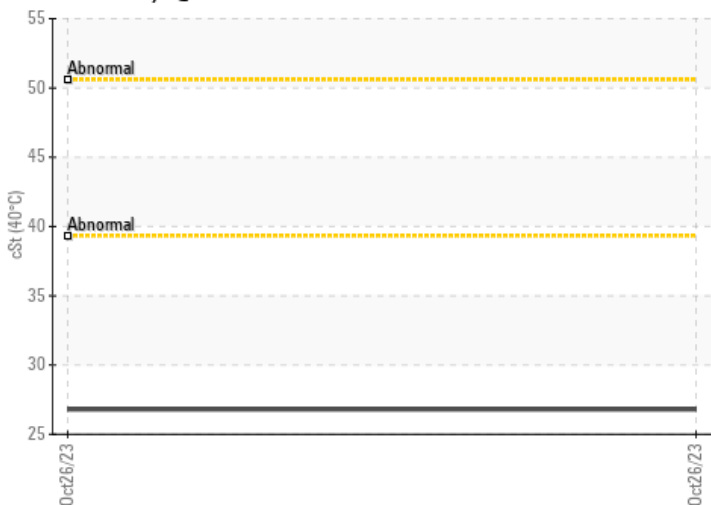
Ferrous Alloys



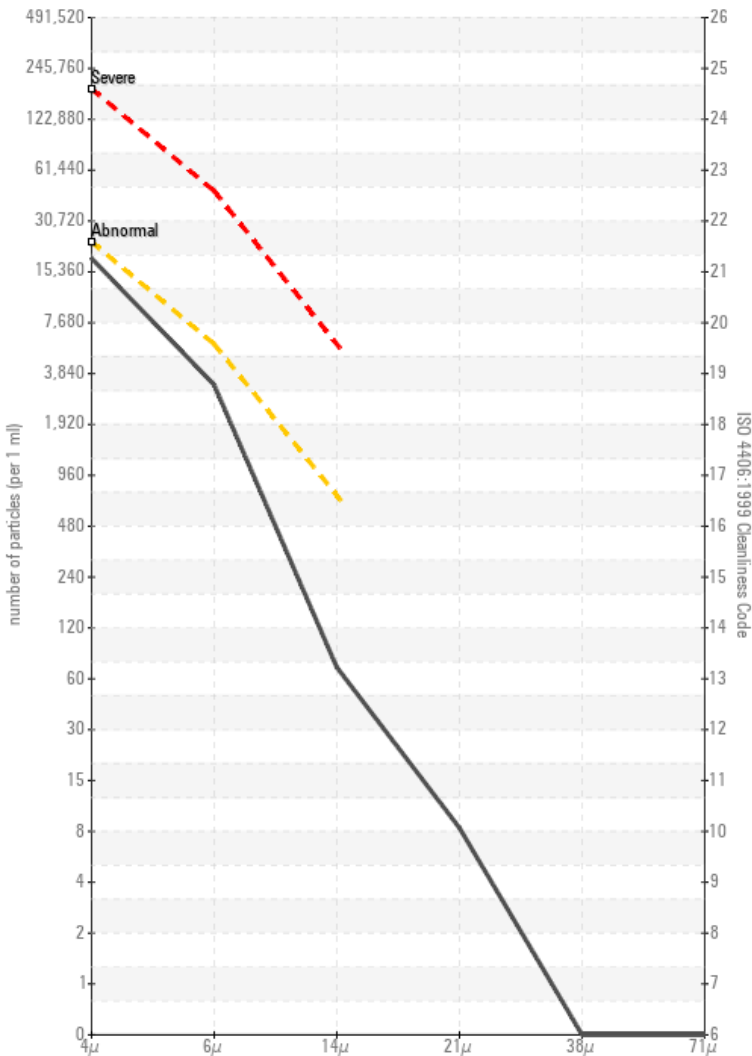
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

