

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60 119208-1217 - Hydraulic System

Sample No: LH0272021

Oil Type: LIEBHERR HYDRAULIC HVI



LIEBHERR EQUIPMENT SOURCE
 8200 FAYETTEVILLE ROAD
 RALEIGH, NC
 US 27603
 Contact: Timothy Bailey
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 T:
 F: (919)329-0084



Sample Information

Sample Number	LH0272021	---	---	---
Sample Date	23 Apr 2024	---	---	---
Machine Hours	5208	---	---	---
Oil Hours	5208	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---



Oil Condition

Visc @ 40°C	cSt	● 41.4	---	---	---
Acid Number (AN)	mg KOH/g	● 0.90	---	---	---



Contamination

Water	%	NEG	---	---	---
Particles >4µm		● 3192	---	---	---
Particles >6µm		● 910	---	---	---
Particles >14µm		● 53	---	---	---
ISO 4406:1999 (c)		19/17/13	---	---	---
Silicon	ppm	● 3	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● <1	---	---	---



Wear Metals

Iron	ppm	● 109	---	---	---
Copper	ppm	● 11	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 3	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 2	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	487	---	---	---
Magnesium	ppm	● 4	---	---	---
Zinc	ppm	● 544	---	---	---
Phosphorus	ppm	● 441	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● 0	---	---	---

Diagnosis

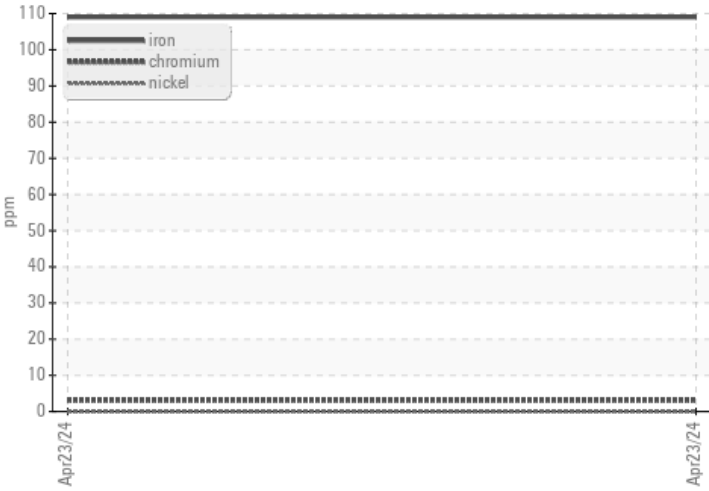
Depot: LIEBHERRNC
 Unique No: 10995711
 Signed: Don Baldrige
 Report Date: 26 Apr 2024

Submitted By: TAYLOR BLALOCK

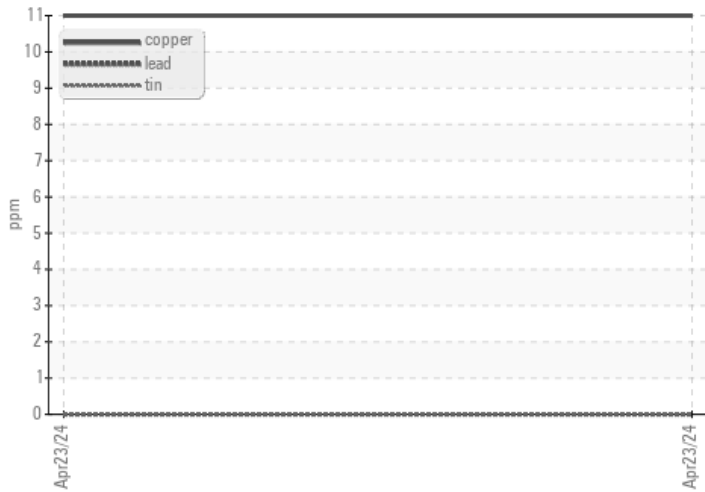


Graphs

● Ferrous Alloys



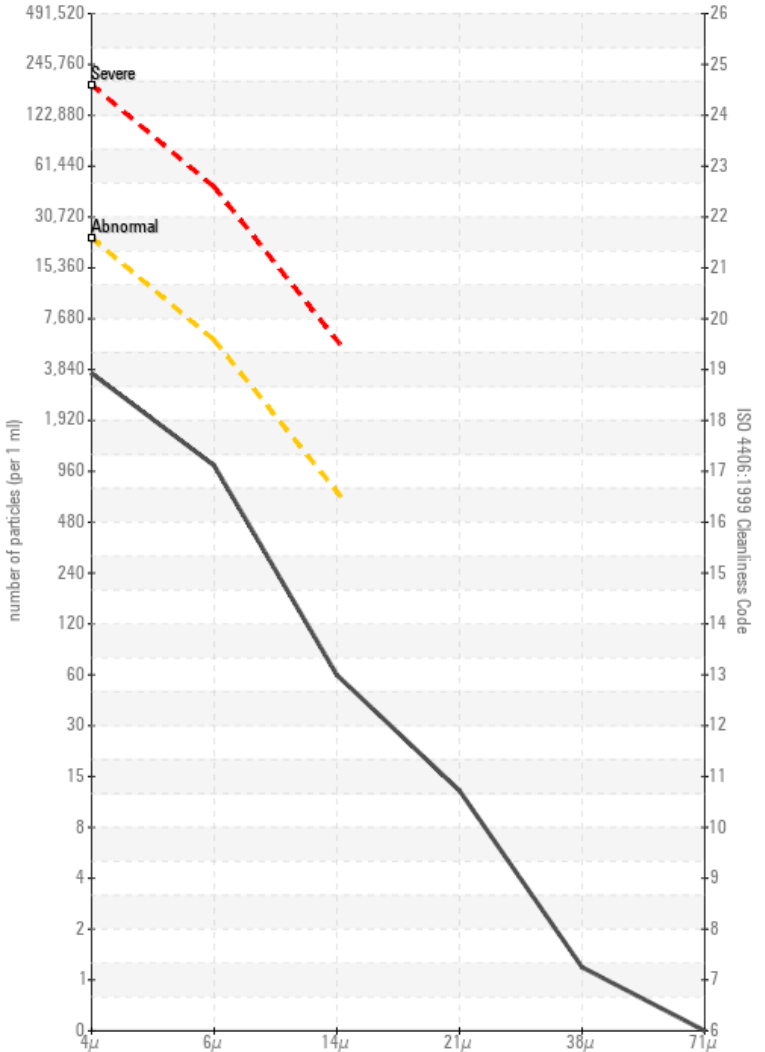
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

