

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L526 068228-1753 - Hydraulic System

Sample No: LH0268755

Oil Type: LIEBHERR HYDRAULIC HVI



SAMPLE INFORMATION

Sample Number	LH0268755	---	---	---
Sample Date	14 Mar 2024	---	---	---
Machine Hours	705	---	---	---
Oil Hours	705	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

LIEBHERR EQUIPMENT SOURCE

8200 FAYETTEVILLE ROAD
 RALEIGH, NC
 US 27603
 Contact: TAYLOR BLALOCK
 taylor.blalock@liebherr.com
 T: (757)718-0491
 F: (919)329-0084



OIL CONDITION

Visc @ 40°C	cSt	46.3	---	---	---
Acid Number (AN)	mg KOH/g	1.31	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		61377	---	---	---
Particles >6µm		14325	---	---	---
Particles >14µm		107	---	---	---
ISO 4406:1999 (c)		23/21/14	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	4	---	---	---
Potassium	ppm	0	---	---	---

Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	4	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

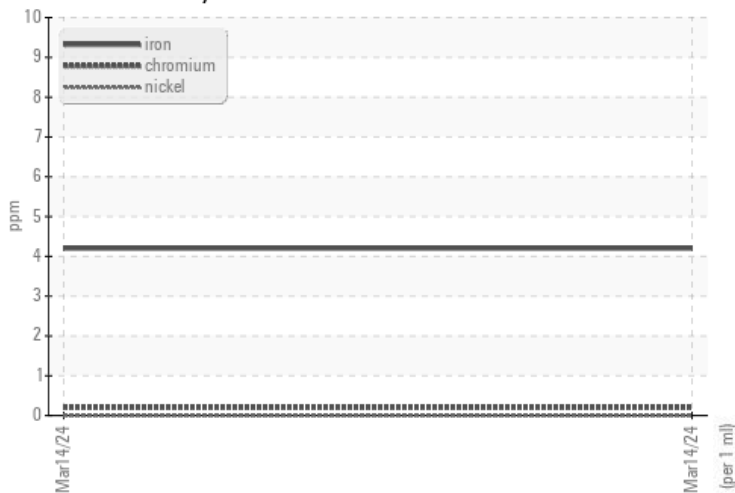
Calcium	ppm	1304	---	---	---
Magnesium	ppm	2	---	---	---
Zinc	ppm	564	---	---	---
Phosphorus	ppm	525	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: LIEBHERRNC
 Unique No: 10928327
 Signed: Wes Davis
 Report Date: 18 Mar 2024

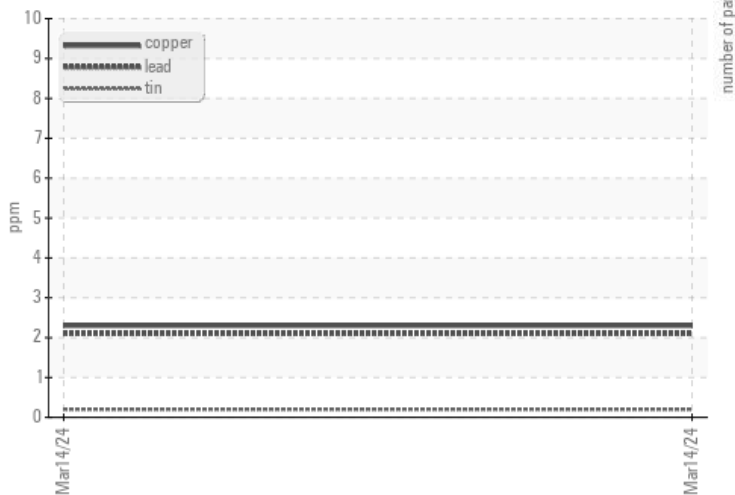


GRAPHS

Ferrous Alloys



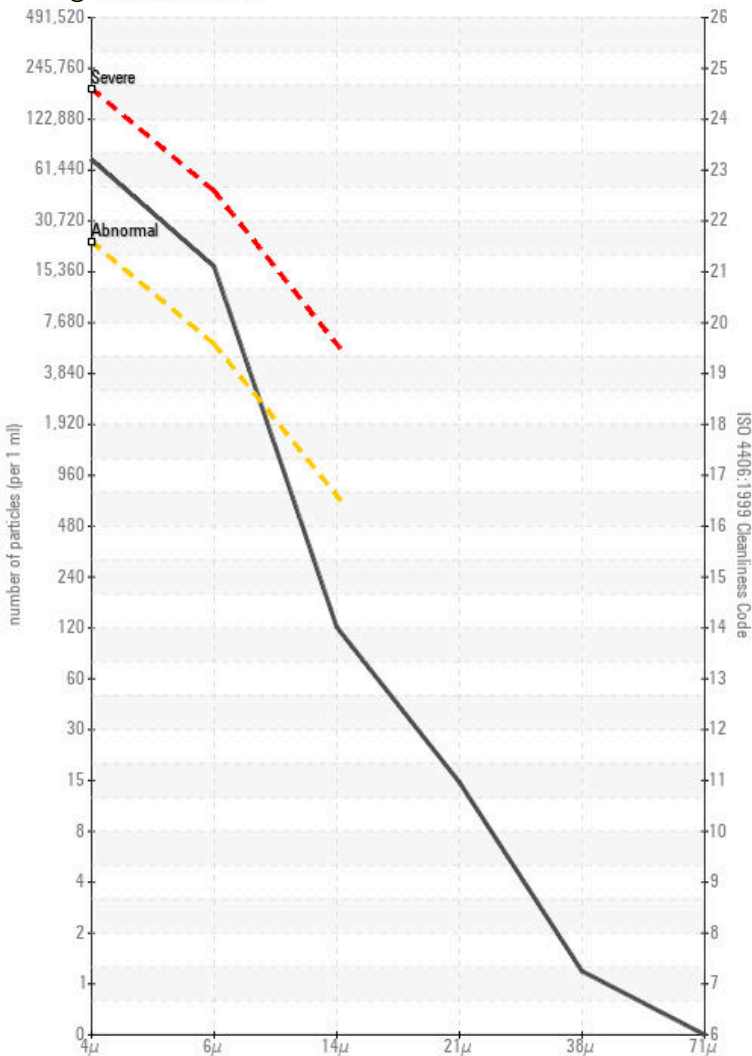
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

