

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60 1217-143694 - Hydraulic System

Sample No: LH0276063

Oil Type: LIEBHERR AW 46



C AND B EQUIPMENT, LLC
 4831 US-42
 GHENT, KY
 US 41045
 Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0276063	---	---	---
Sample Date	21 Nov 2023	---	---	---
Machine Hours	1960	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 42.8	---	---	---
Acid Number (AN)	mg KOH/g	● 0.92	---	---	---

T:
F:



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		● 4093	---	---	---
Particles >6µm		● 999	---	---	---
Particles >14µm		● 96	---	---	---
ISO 4406:1999 (c)		19/17/14	---	---	---
Silicon	ppm	● 3	---	---	---
Sodium	ppm	● 0	---	---	---
Potassium	ppm	● 2	---	---	---

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



ADDITIVES

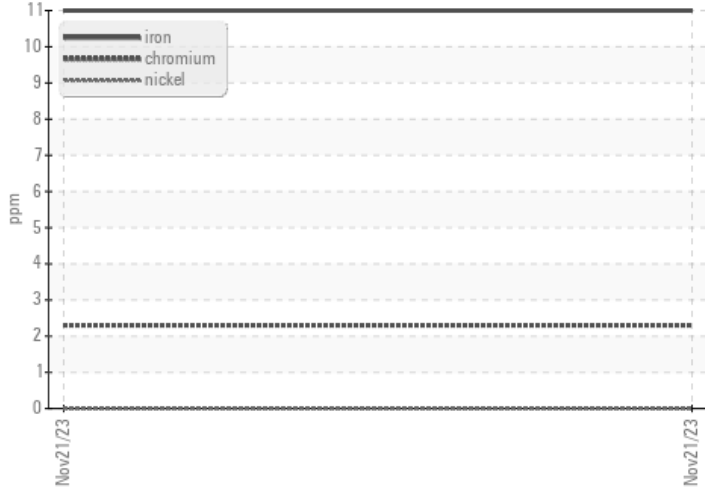
Calcium	ppm	1096	---	---	---
Magnesium	ppm	3	---	---	---
Zinc	ppm	670	---	---	---
Phosphorus	ppm	624	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: CANGHE
Unique No: 10830098
Signed: Wes Davis
Report Date: 12 Jan 2024

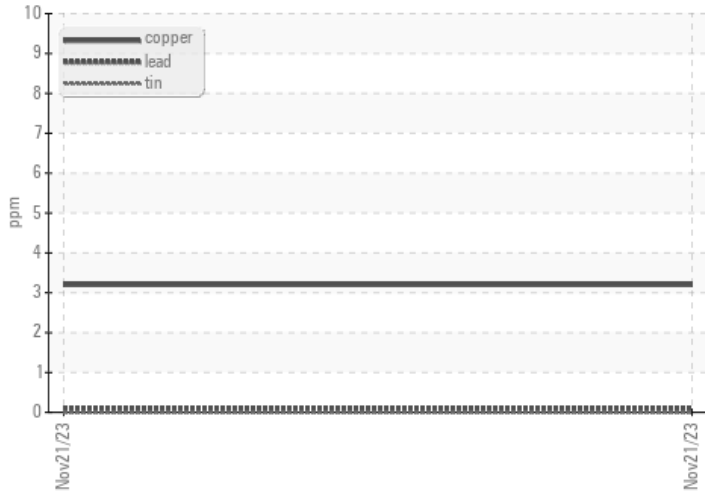


GRAPHS

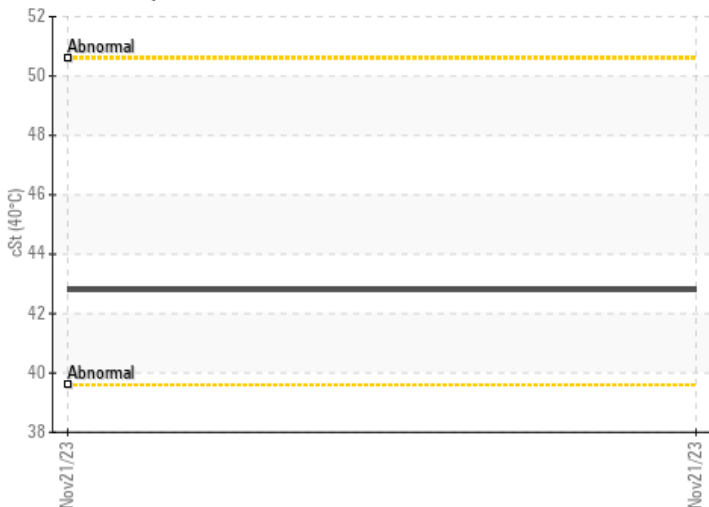
Ferrous Alloys



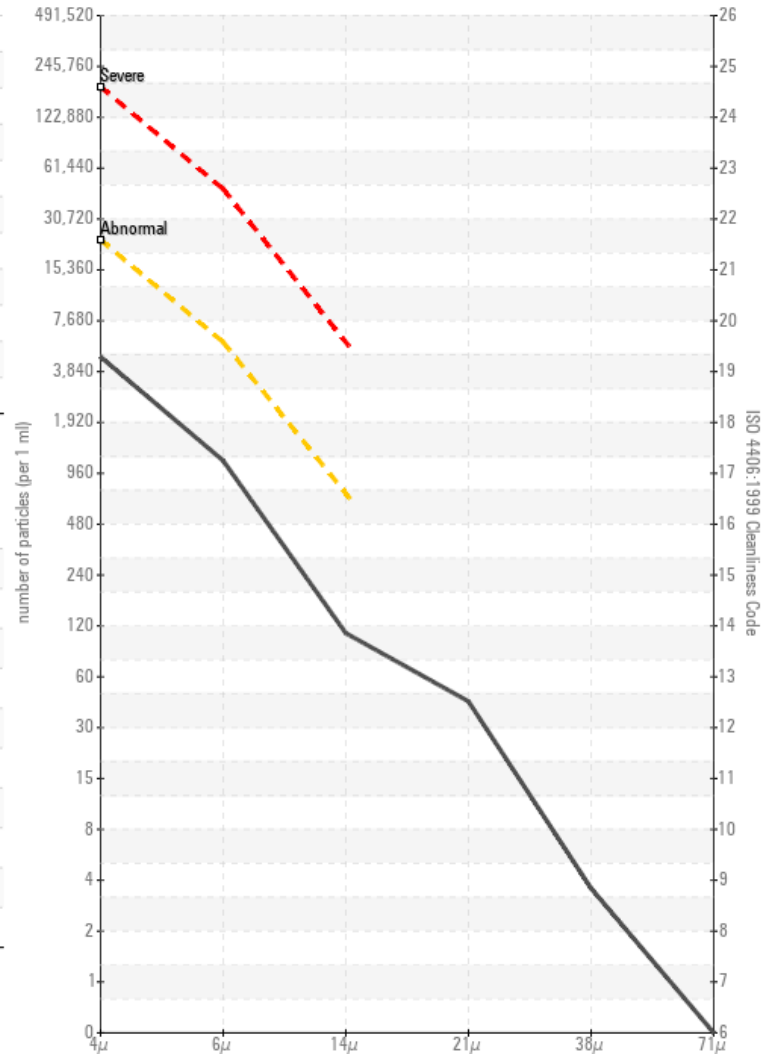
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

