

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 461-32994 - Tank Hydraulic System

Sample No: LH0272014

Oil Type: AW HYDRAULIC OIL ISO 46



Sample Information

Sample Number	LH0272014	---	---	---
Sample Date	20 Jun 2024	---	---	---
Machine Hours	12027	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR EQUIPMENT SOURCE

8200 FAYETTEVILLE ROAD
RALEIGH, NC

US 27603

Contact: SHERWOOD LUCAS
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T:

F: (919)329-0084



Oil Condition

Visc @ 40°C	cSt	● 47.8	---	---	---
Acid Number (AN)	mg KOH/g	● 0.56	---	---	---



Contamination

Water	%	NEG	---	---	---
Particles >4µm		● 5568	---	---	---
Particles >6µm		● 747	---	---	---
Particles >14µm		● 24	---	---	---
ISO 4406:1999 (c)		20/17/12	---	---	---
Silicon	ppm	● 5	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 2	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.

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	● 22	---	---	---
Copper	ppm	● 4	---	---	---
Lead	ppm	● 1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	● 247	---	---	---
Magnesium	ppm	● 6	---	---	---
Zinc	ppm	● 408	---	---	---
Phosphorus	ppm	● 332	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 1	---	---	---

Depot: LIEBHERRNC

Unique No: 11096308

Signed: Wes Davis

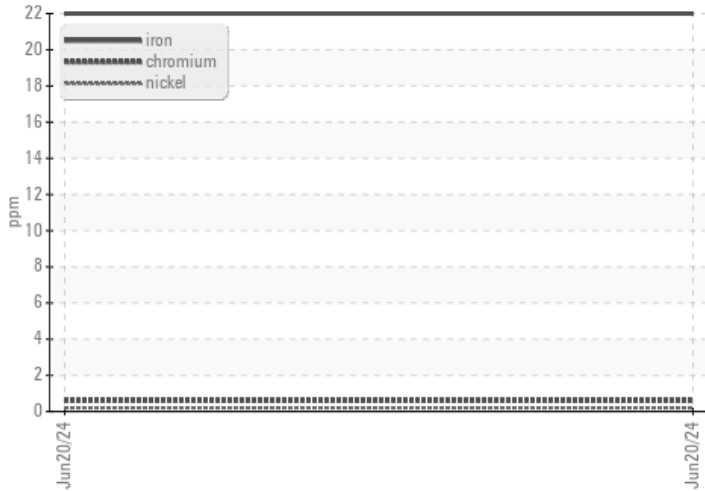
Report Date: 25 Jun 2024

Submitted By: SHERWOOD LUCAS

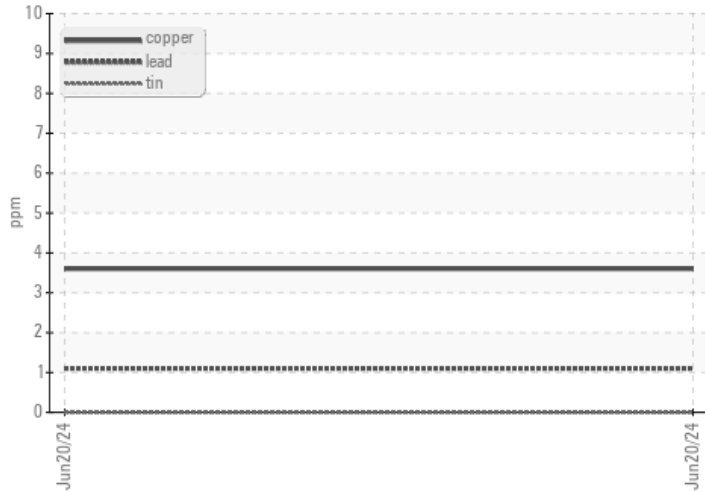


Graphs

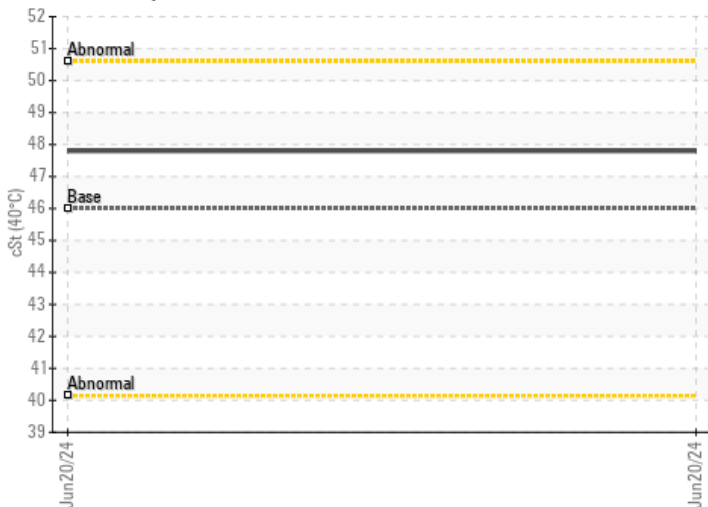
Ferrous Alloys



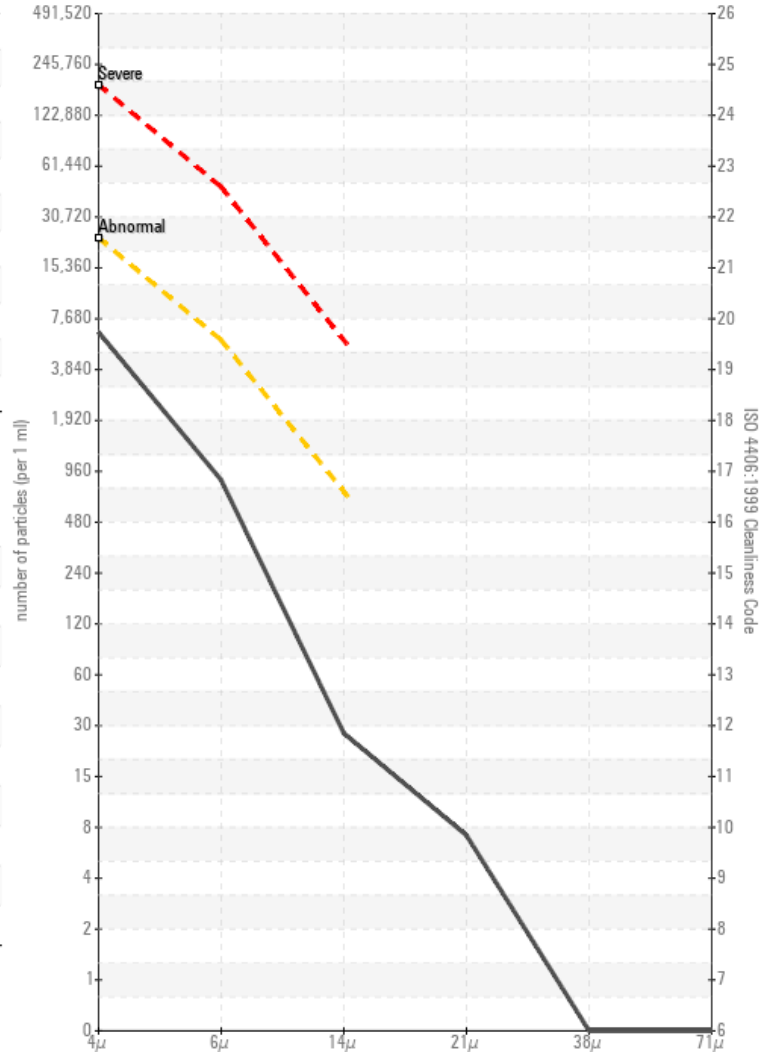
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

