

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 1484-53615 - Hydraulic System

Sample No: LH0268225

Oil Type: LIEBHERR HYDRAULIC HVI



SAMPLE INFORMATION

Sample Number	LH0268225	LH0181944	---	---
Sample Date	16 Jan 2024	20 Mar 2023	---	---
Machine Hours	3981	3043	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	ABNORMAL	ATTENTION	---	---

ALTER RECYCLINE - DUBUQUE
 PO BOX 390
 WEBSTER, NY
 US 14580
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	● 43.5	● 43.8	---	---
Acid Number (AN)	mg KOH/g	● 0.89	● 0.83	---	---

T:
F:



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		● 99486	● 35883	---	---
Particles >6µm		● 22996	● 2125	---	---
Particles >14µm		● 683	● 119	---	---
ISO 4406:1999 (c)		24/22/17	22/18/14	---	---
Silicon	ppm	● 2	● 3	---	---
Sodium	ppm	● 0	● <1	---	---
Potassium	ppm	● <1	● 0	---	---

Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	● 17	● 13	---	---
Copper	ppm	● 4	● 4	---	---
Lead	ppm	● 4	● 4	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 2	● <1	---	---
Chromium	ppm	● 4	● 3	---	---
Molybdenum	ppm	● 2	● 2	---	---
Nickel	ppm	● 0	● 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 0	● <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

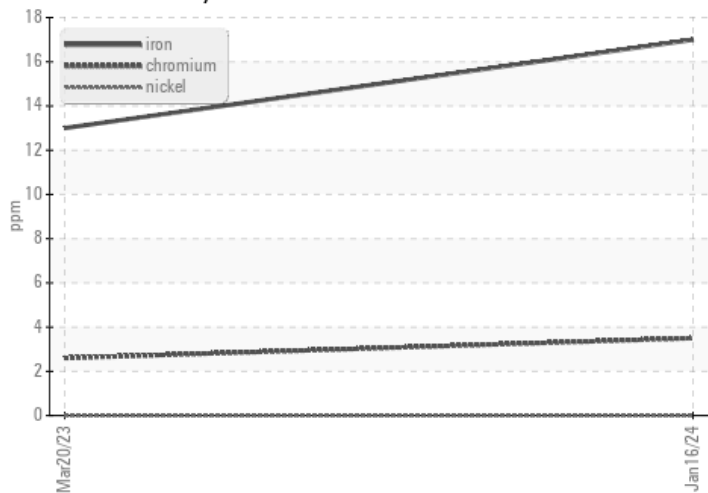
Calcium	ppm	● 835	● 1072	---	---
Magnesium	ppm	● 18	● 20	---	---
Zinc	ppm	● 574	● 639	---	---
Phosphorus	ppm	● 465	● 492	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	● 4	● 6	---	---

Depot: ALTWEB
Unique No: 10848900
Signed: Don Baldrige
Report Date: 30 Jan 2024

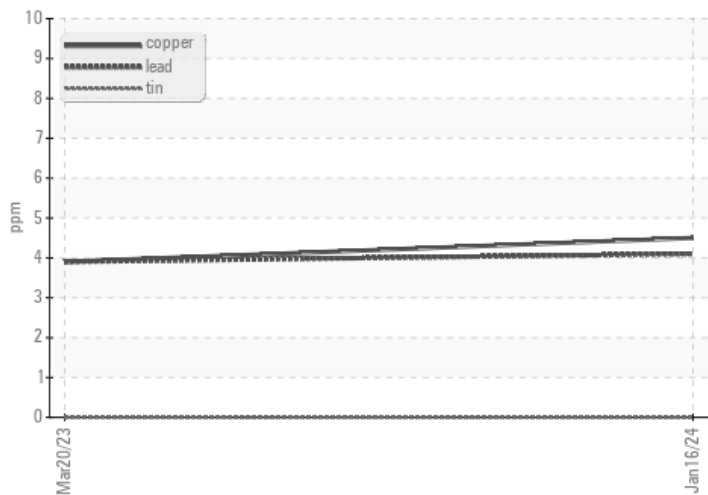


GRAPHS

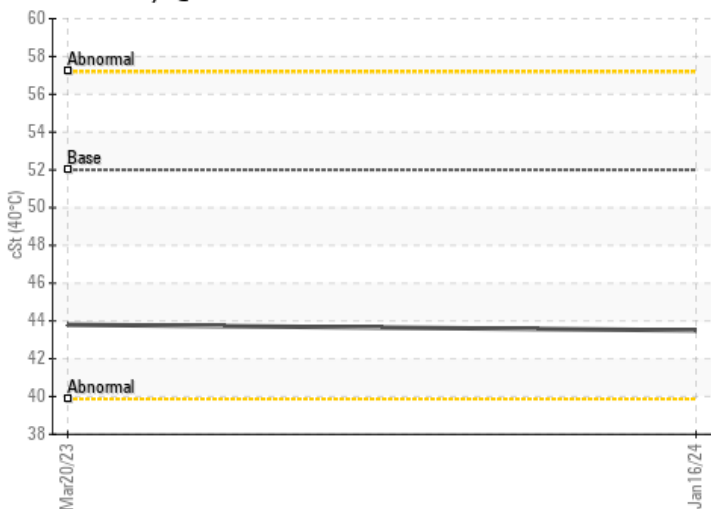
Ferrous Alloys



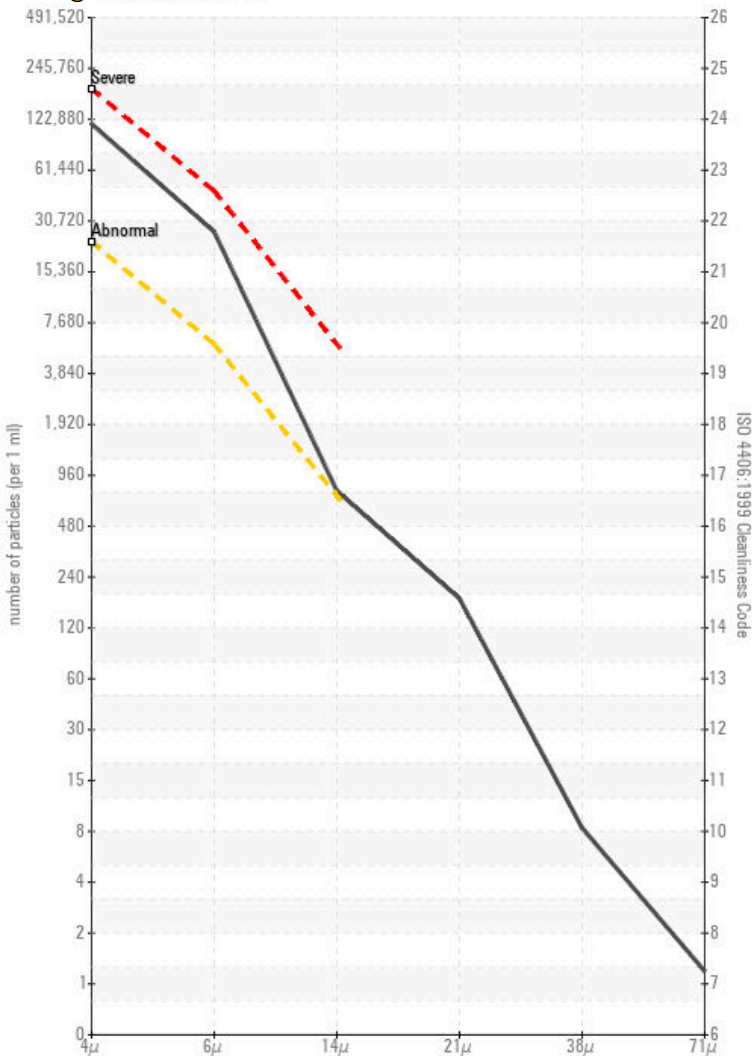
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

