

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 070558-1762 - Hydraulic System

Sample No: LH0275616

Oil Type: AW HYDRAULIC OIL ISO 46



SAMPLE INFORMATION

Sample Number	LH0275616	---	---	---
Sample Date	02 Jan 2024	---	---	---
Machine Hours	797	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

HUBERT ET FILS INC
 1012 CHEMIN DE PARC INDUSTRIEL
 BOIS-FRANC, QC
 CA J9E 3A9
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	43.7	---	---	---
Acid Number (AN)	mg KOH/g	1.29	---	---	---

T:
F:



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		29489	---	---	---
Particles >6µm		4375	---	---	---
Particles >14µm		270	---	---	---
ISO 4406:1999 (c)		22/19/15	---	---	---
Silicon	ppm	5	---	---	---
Sodium	ppm	1	---	---	---
Potassium	ppm	<1	---	---	---

Diagnosis
 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 light amount of silt (particulates < 14 microns in size) present in the oil. Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

PQ		2	---	---	---
Iron	ppm	24	---	---	---
Copper	ppm	3	---	---	---
Lead	ppm	4	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

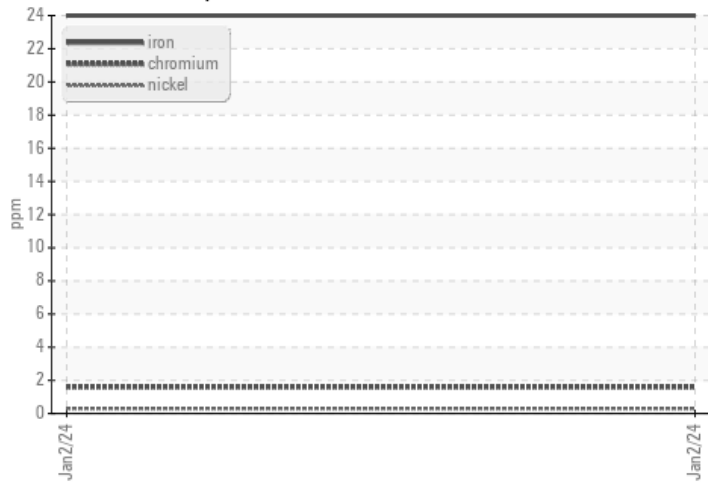
Calcium	ppm	1260	---	---	---
Magnesium	ppm	4	---	---	---
Zinc	ppm	667	---	---	---
Phosphorus	ppm	596	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

Depot: HUB101BOI
Unique No: 5710109
Signed: Kevin Marson
Report Date: 17 Jan 2024

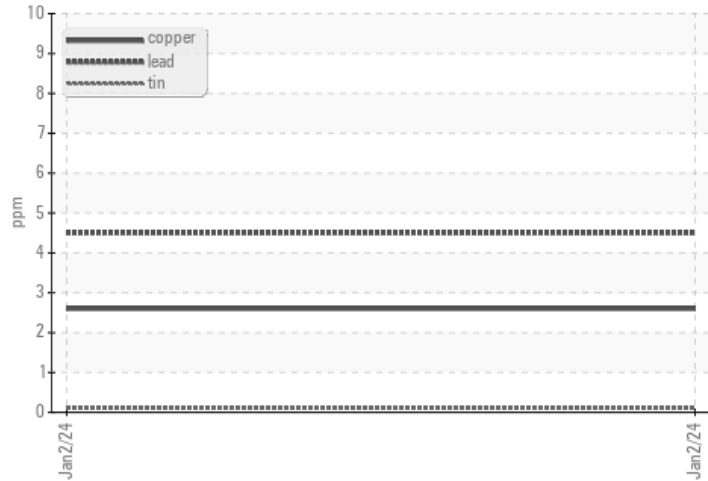


GRAPHS

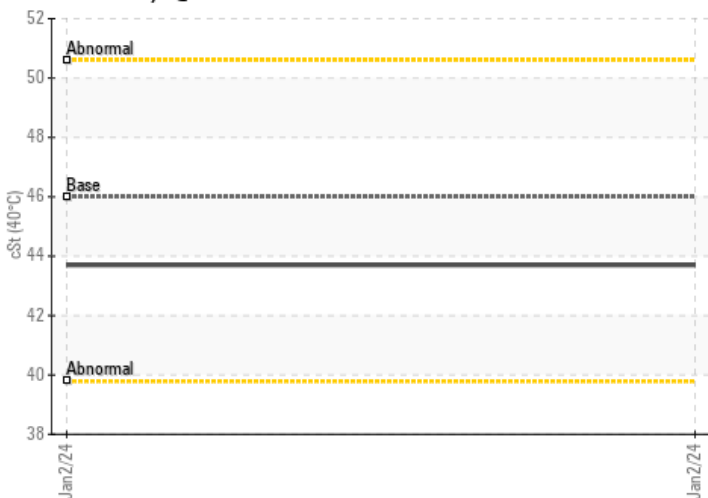
Ferrous Alloys



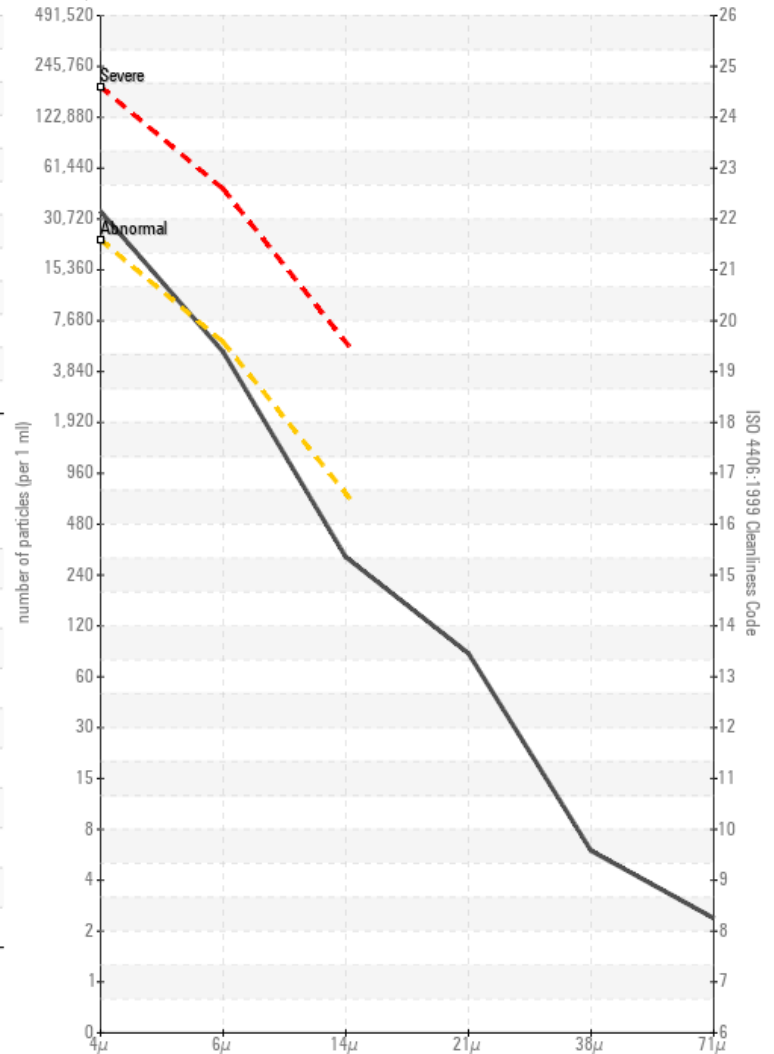
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

