

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R930 056356-1716 - Hydraulic System

Sample No: LH0258226

Oil Type: LIEBHERR HYDRAULIC HVI



SAMPLE INFORMATION

Sample Number	LH0258226	---	---	---
Sample Date	22 May 2023	---	---	---
Machine Hours	475	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

ACECO

10119 RESIDENCY ROAD
MANASSAS, VA
US 20110
Contact: RON BROCK



OIL CONDITION

Visc @ 40°C	cSt	● 44.1	---	---	---
Acid Number (AN)	mg KOH/g	● 1.14	---	---	---

T: (703)392-0111
F: (703)331-5604



CONTAMINATION

Particles >4µm		● 3061	---	---	---
Particles >6µm		● 509	---	---	---
Particles >14µm		● 52	---	---	---
ISO 4406:1999 (c)		19/16/13	---	---	---
Silicon	ppm	● 3	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 0	---	---	---

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	● 8	---	---	---
Copper	ppm	● 3	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

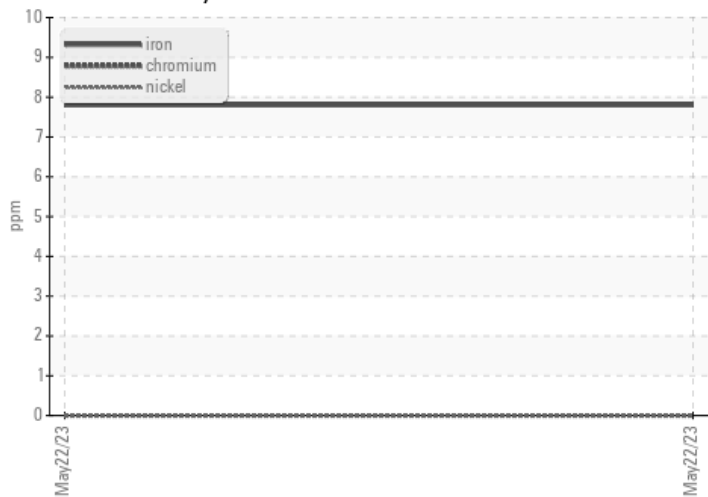
Calcium	ppm	● 1509	---	---	---
Magnesium	ppm	● 0	---	---	---
Zinc	ppm	● 738	---	---	---
Phosphorus	ppm	● 623	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 0	---	---	---

Depot: ACEMAN
Unique No: 10635723
Signed: Wes Davis
Report Date: 08 Sep 2023

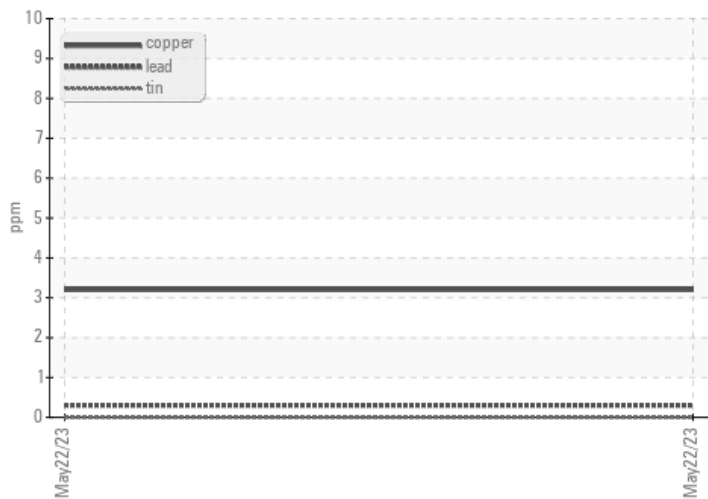


GRAPHS

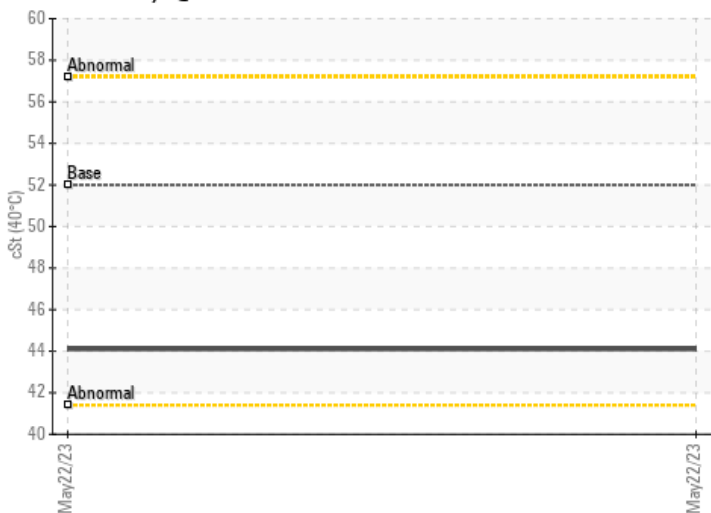
Ferrous Alloys



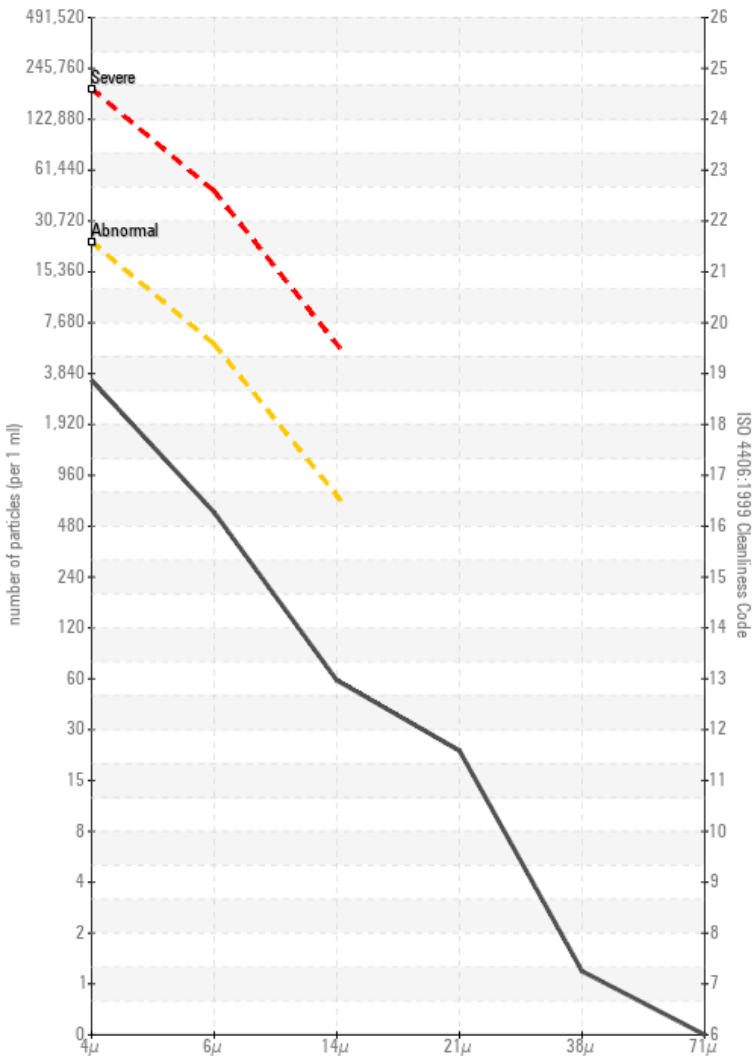
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

