

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60 1217-146108 - Hydraulic System

Sample No: LH0269006

Oil Type: DURALENE ZFH HVI 68



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SAMPLE INFORMATION

Sample Number	LH0269006	---	---	---
Sample Date	04 Dec 2023	---	---	---
Machine Hours	1154	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	47.7	---	---	---
Acid Number (AN)	mg KOH/g	0.92	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		1410	---	---	---
Particles >6µm		250	---	---	---
Particles >14µm		18	---	---	---
ISO 4406:1999 (c)		18/15/11	---	---	---
Silicon	ppm	3	---	---	---
Sodium	ppm	4	---	---	---
Potassium	ppm	2	---	---	---



WEAR METALS

Iron	ppm	18	---	---	---
Copper	ppm	11	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	0	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1031	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	536	---	---	---
Phosphorus	ppm	456	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Diagnosis

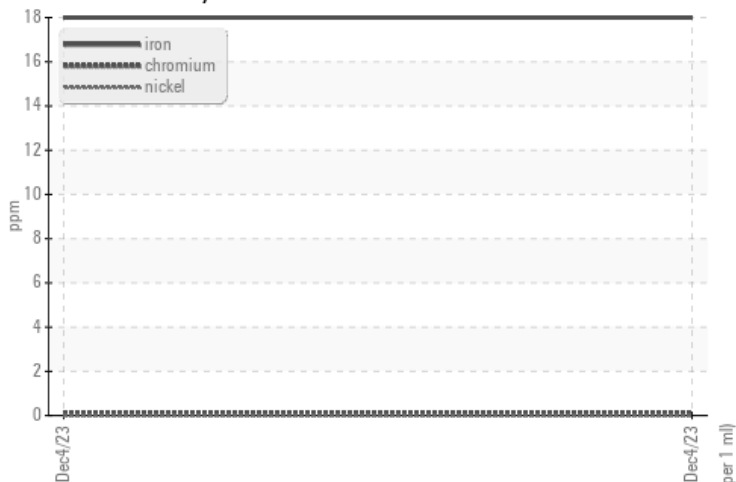
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: CONHAG
Unique No: 10808909
Signed: Doug Bogart
Report Date: 02 Jan 2024

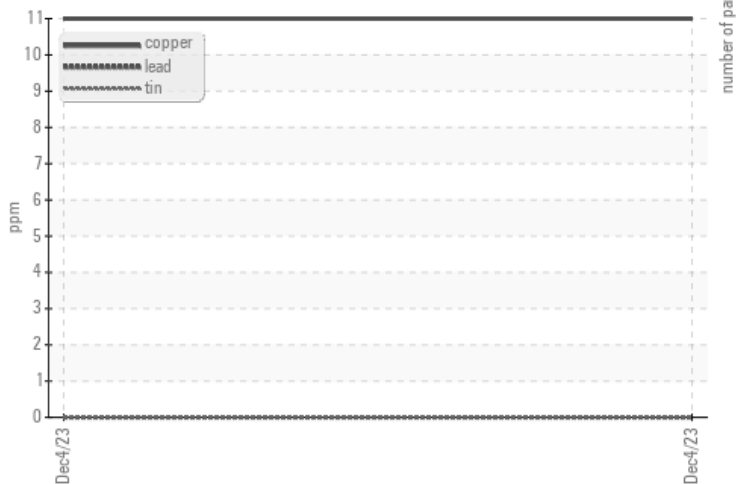


GRAPHS

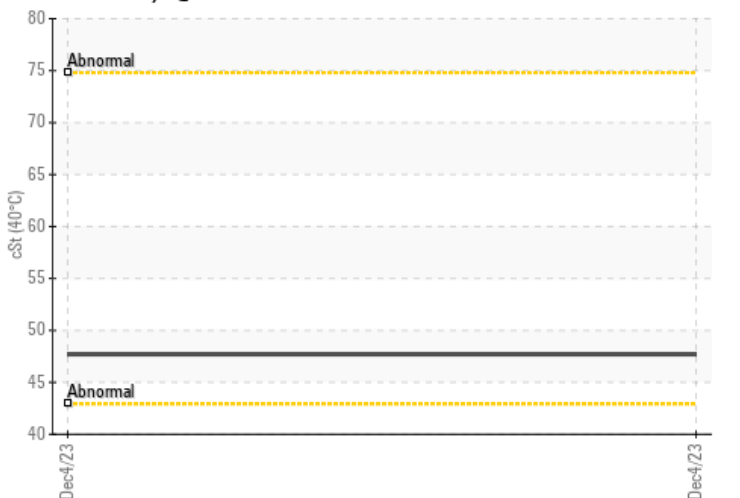
Ferrous Alloys



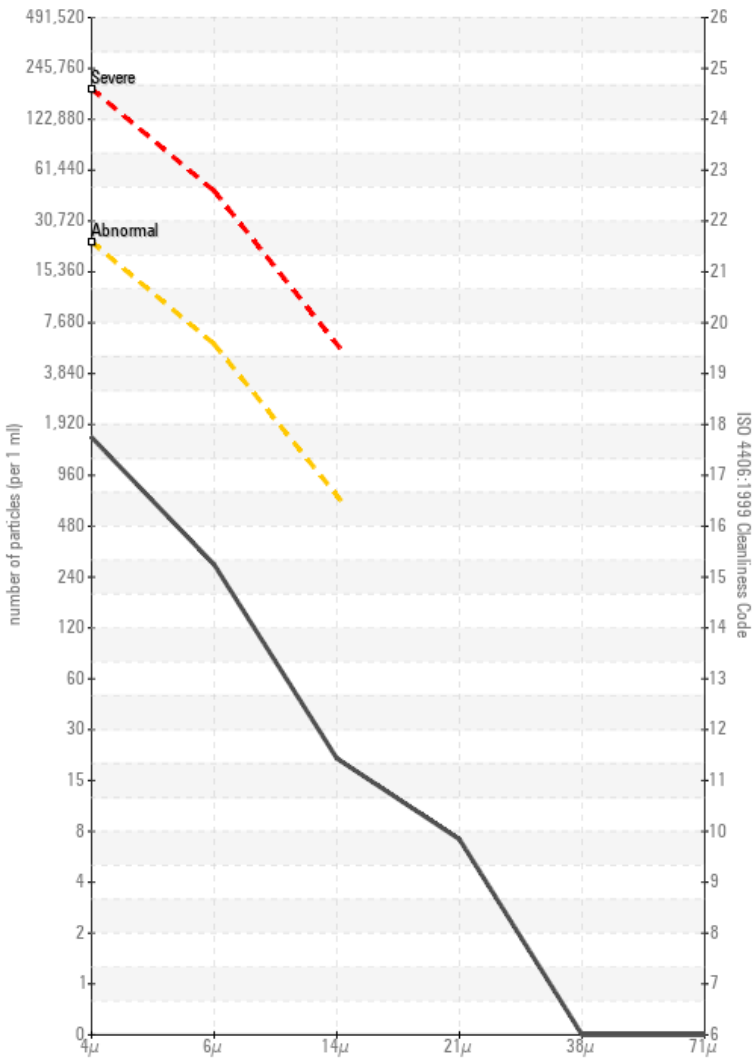
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

