

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH110CP 140448-1228 - Hydraulic System

Sample No: LH0259114

Oil Type: LIEBHERR HYDRAULIC HVI



NUECES POWER EQUIPMENT
 7667 N SAM HOUSTON PKWY EAST
 HUMBLE, TX
 US 77396
 Contact: SARKES GONZALEZ
 sgonzalez@npetex.com
 T: (713)247-0066
 F: (713)941-2262



SAMPLE INFORMATION

Sample Number	LH0259114	---	---	---
Sample Date	09 Feb 2024	---	---	---
Machine Hours	1063	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	MARGINAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 43.9	---	---	---
Acid Number (AN)	mg KOH/g	● 1.28	---	---	---



CONTAMINATION

Water	%	● 0.153	---	---	---
Particles >4µm		● 670	---	---	---
Particles >6µm		● 365	---	---	---
Particles >14µm		● 62	---	---	---
ISO 4406:1999 (c)		17/16/13	---	---	---
Silicon	ppm	● 6	---	---	---
Sodium	ppm	● 0	---	---	---
Potassium	ppm	● 2	---	---	---



WEAR METALS

Iron	ppm	● 5	---	---	---
Copper	ppm	● 4	---	---	---
Lead	ppm	● 1	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	● 1326	---	---	---
Magnesium	ppm	● 4	---	---	---
Zinc	ppm	● 664	---	---	---
Phosphorus	ppm	● 522	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 0	---	---	---

Diagnosis

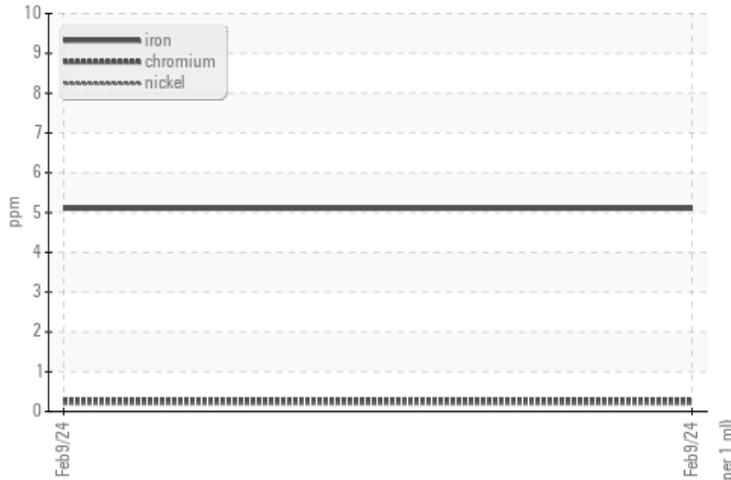
Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: NUEHUM
Unique No: 10927759
Signed: Don Baldrige
Report Date: 21 Mar 2024

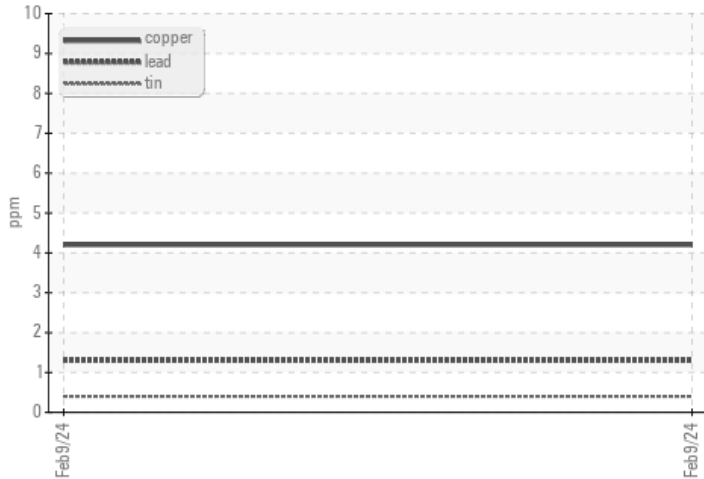


GRAPHS

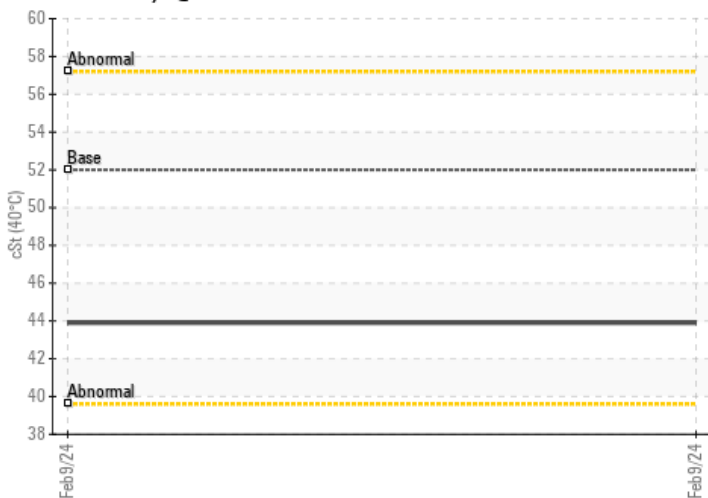
Ferrous Alloys



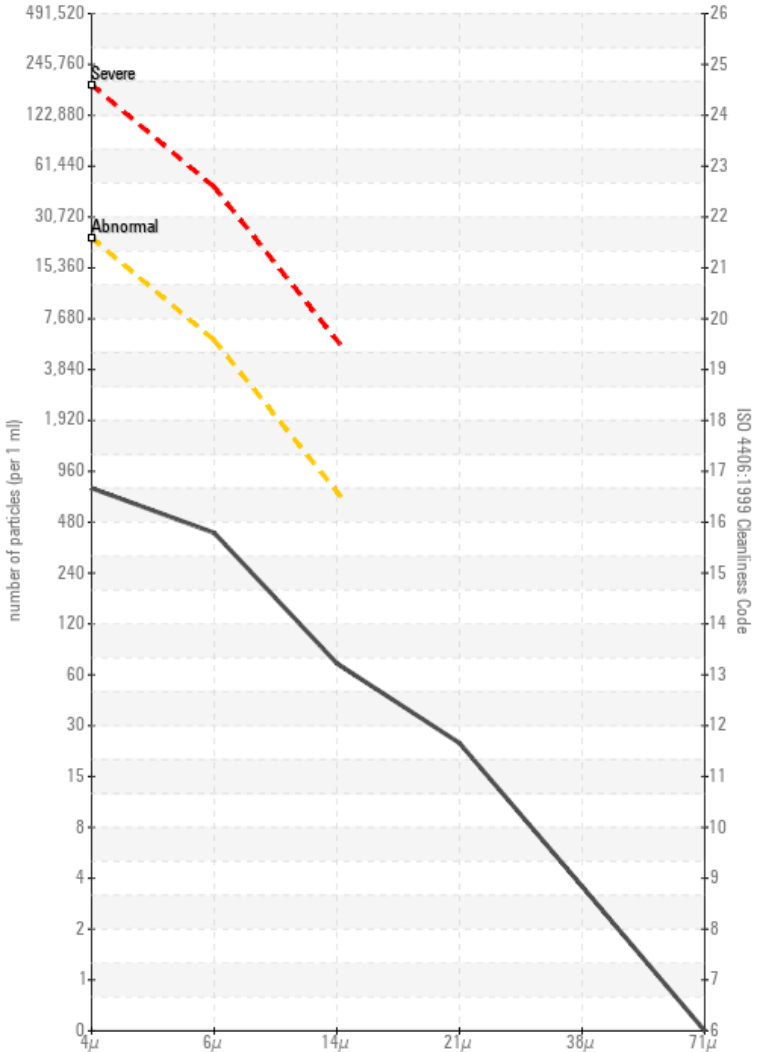
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

