

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR716LGP 019319-1423 - Hydraulic System

Sample No: LH0258392

Oil Type: CHEVRON HYDRAULIC OIL AW ISO 46



HEAVY MACHINES INC
 7651 THEODORE DAWES RD
 THEODORE, AL
 US 36582
 Contact: DAVID MIANO
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 T: x:
 F: x:



SAMPLE INFORMATION

Sample Number	LH0258392	---	---	---
Sample Date	21 Feb 2024	---	---	---
Machine Hours	1477	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	37.82	---	---	---
Acid Number (AN)	mg KOH/g	0.98	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		36986	---	---	---
Particles >6µm		3807	---	---	---
Particles >14µm		29	---	---	---
ISO 4406:1999 (c)		22/19/12	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	4	---	---	---
Potassium	ppm	0	---	---	---



WEAR METALS

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



ADDITIVES

Calcium	ppm	637	---	---	---
Magnesium	ppm	6	---	---	---
Zinc	ppm	486	---	---	---
Phosphorus	ppm	426	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

Diagnosis

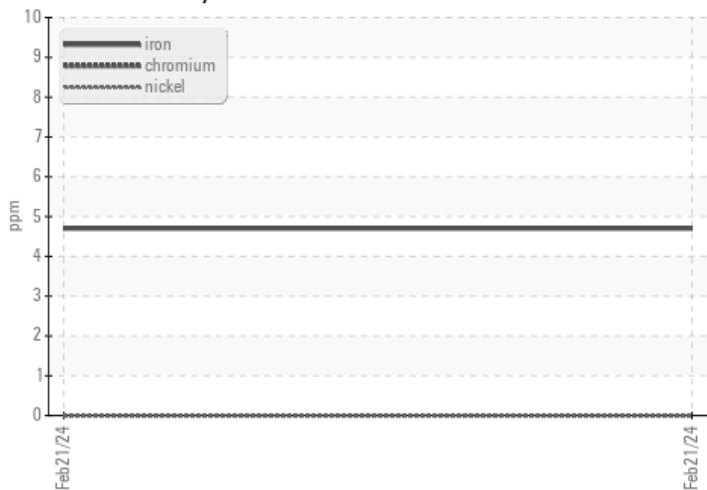
The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 6 microns in size) present in the oil. The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

Depot: HEATHE
 Unique No: 10912825
 Signed: Jonathan Hester
 Report Date: 11 Mar 2024

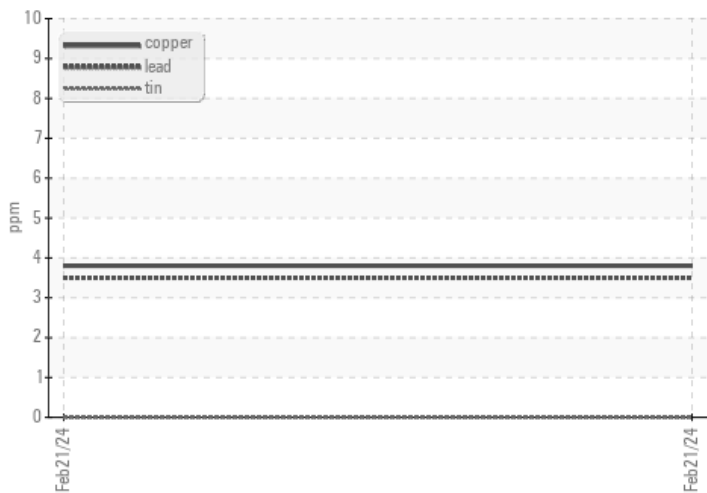


GRAPHS

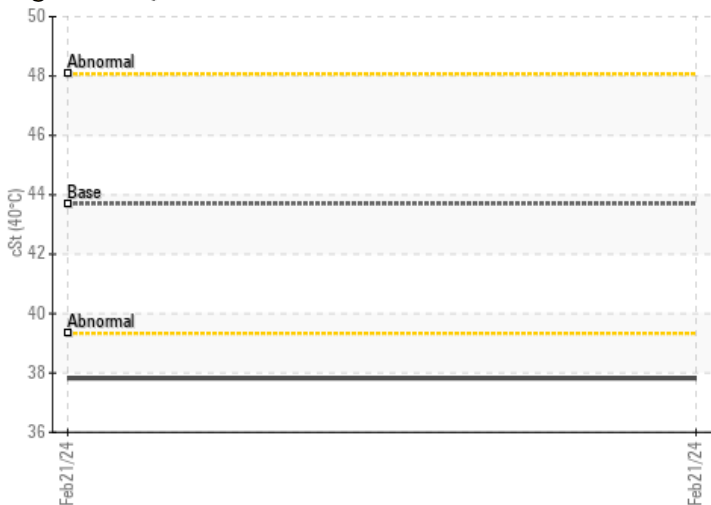
Ferrous Alloys



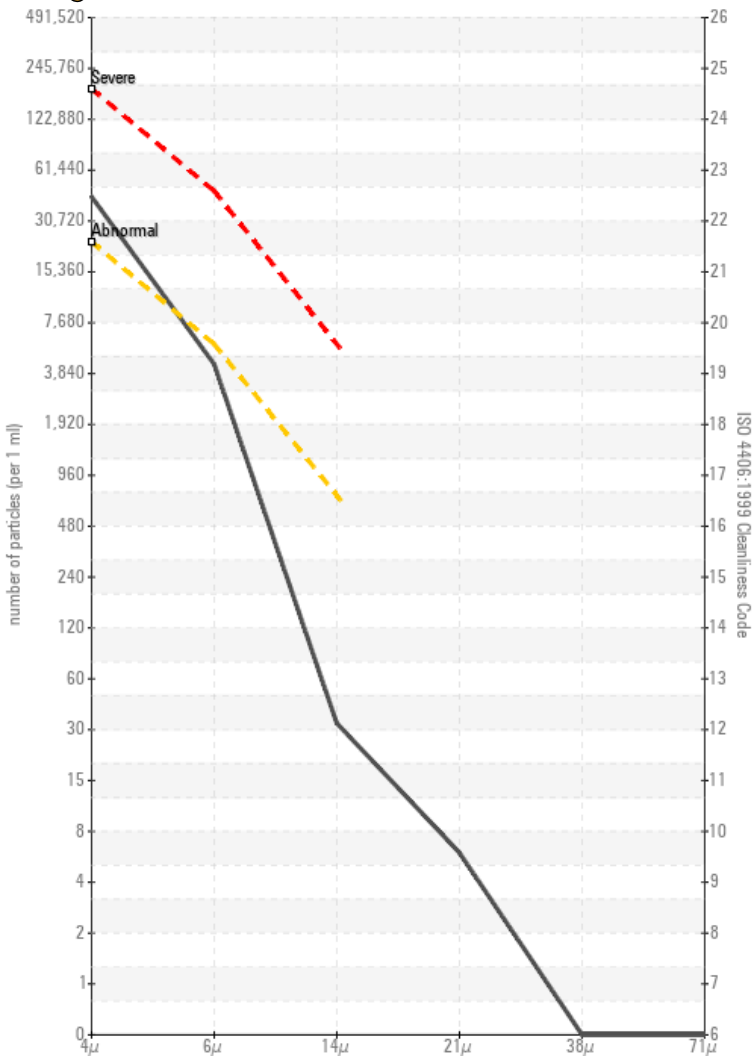
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

