

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR716 023706-1823 - Hydraulic System

Sample No: LH0257901

Oil Type: CHEVRON HYDRAULIC OIL AW ISO 46



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 7651 THEODORE DAWES RD
 THEODORE, AL
 US 36582
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 T: x:
 F: x:



Sample Information

Sample Number	LH0257901	LH0258394	---	---
Sample Date	04 Jun 2024	25 Mar 2024	---	---
Machine Hours	2058	2042	---	---
Oil Hours	1	2000	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



Oil Condition

Visc @ 40°C	cSt	45.5	42.9	---	---
Acid Number (AN)	mg KOH/g	0.93	1.10	---	---



Contamination

Water	%	NEG	NEG	---	---
Particles >4µm		3461	9936	---	---
Particles >6µm		797	153	---	---
Particles >14µm		41	5	---	---
ISO 4406:1999 (c)		19/17/13	20/14/10	---	---
Silicon	ppm	9	8	---	---
Sodium	ppm	4	7	---	---
Potassium	ppm	0	<1	---	---



Wear Metals

Iron	ppm	4	8	---	---
Copper	ppm	7	26	---	---
Lead	ppm	0	2	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	<1	1	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	2	4	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	<1	---	---



Additives

Calcium	ppm	1420	1061	---	---
Magnesium	ppm	7	1	---	---
Zinc	ppm	447	597	---	---
Phosphorus	ppm	231	510	---	---
Barium	ppm	0	0	---	---
Boron	ppm	14	0	---	---

Diagnosis

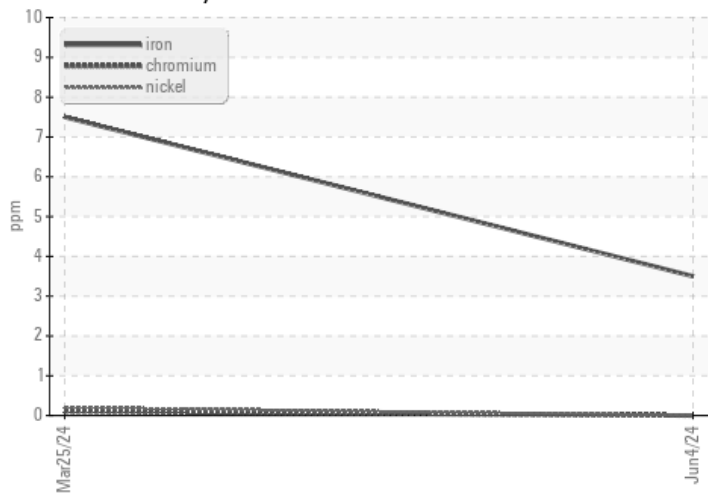
Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for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

Depot: HEATHE
 Unique No: 11074526
 Signed: Angela Borella
 Report Date: 13 Jun 2024

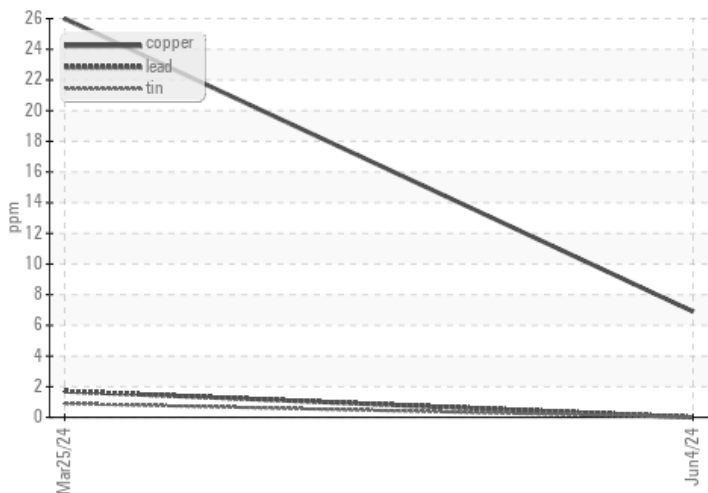


Graphs

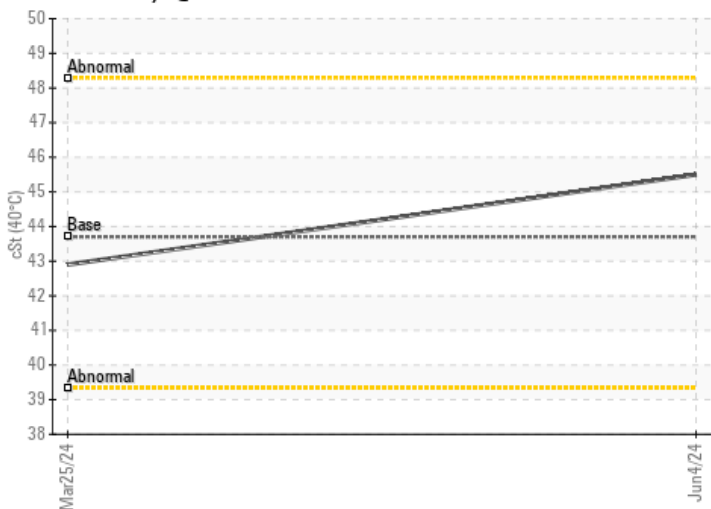
Ferrous Alloys



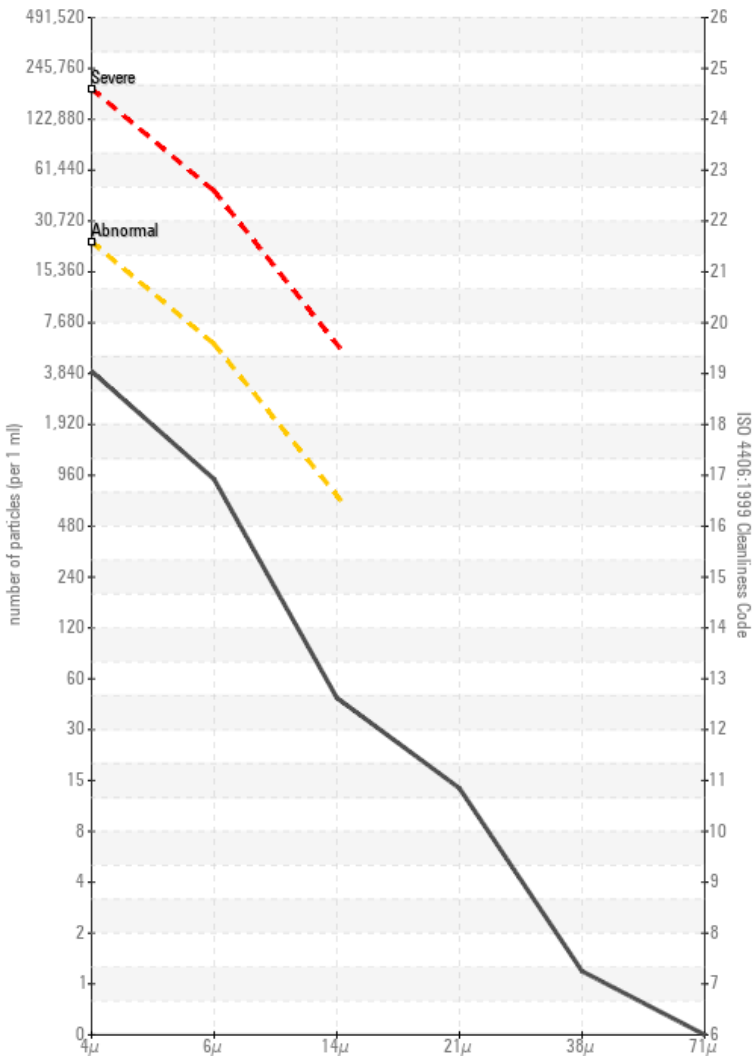
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

