

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR716 015579-1423 - Hydraulic System

Sample No: LH0243361

Oil Type: TDH FLUID SAE 75W80



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SAMPLE INFORMATION

Sample Number	LH0243361	LH0207830	LH0173914	---
Sample Date	04 Sep 2023	19 Apr 2022	17 Aug 2020	---
Machine Hours	0	540	408	---
Oil Hours	0	0	408	---
Oil Changed	N/A	N/A	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	47.3	48.1	48.1	---
Acid Number (AN)	mg KOH/g	1.15	0.93	1.066	---



CONTAMINATION

Particles >4µm		1067	6410	13705	---
Particles >6µm		213	794	421	---
Particles >14µm		16	43	15	---
ISO 4406:1999 (c)		17/15/11	20/17/13	21/16/11	---
Silicon	ppm	5	5	7	---
Sodium	ppm	8	4	3	---
Potassium	ppm	2	2	1	---



WEAR METALS

Iron	ppm	11	6	5	---
Copper	ppm	8	6	4	---
Lead	ppm	2	1	1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	<1	<1	0	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	3	2	3	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	<1	6	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1987	2060	1999	---
Magnesium	ppm	34	36	33	---
Zinc	ppm	912	952	918	---
Phosphorus	ppm	735	766	721	---
Barium	ppm	2	0	0	---
Boron	ppm	38	39	64	---

Diagnosis

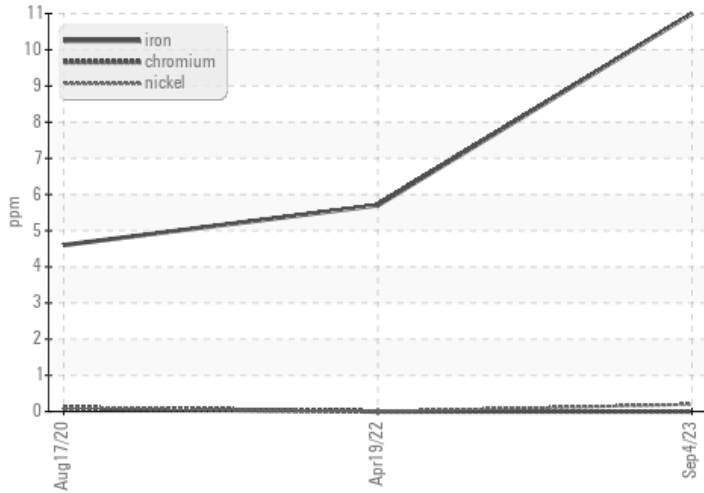
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: LEC0008
 Unique No: 10633560
 Signed: Wes Davis
 Report Date: 06 Sep 2023

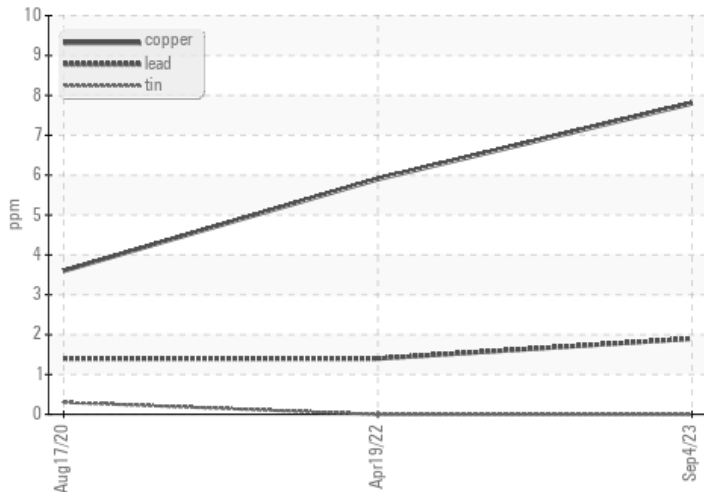


GRAPHS

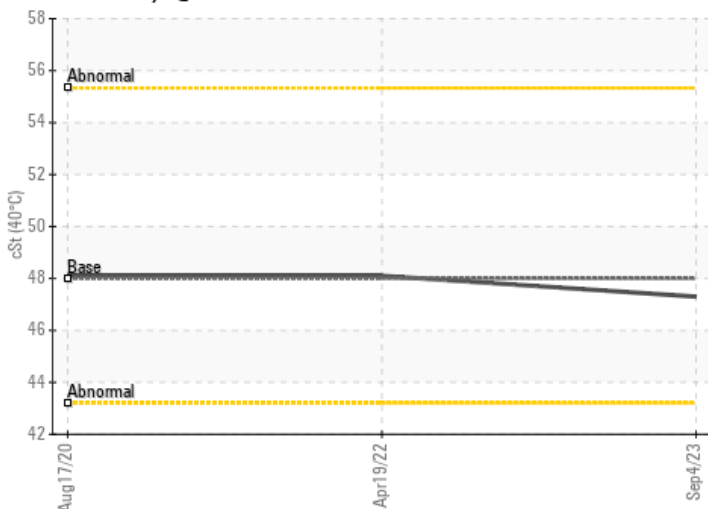
Ferrous Alloys



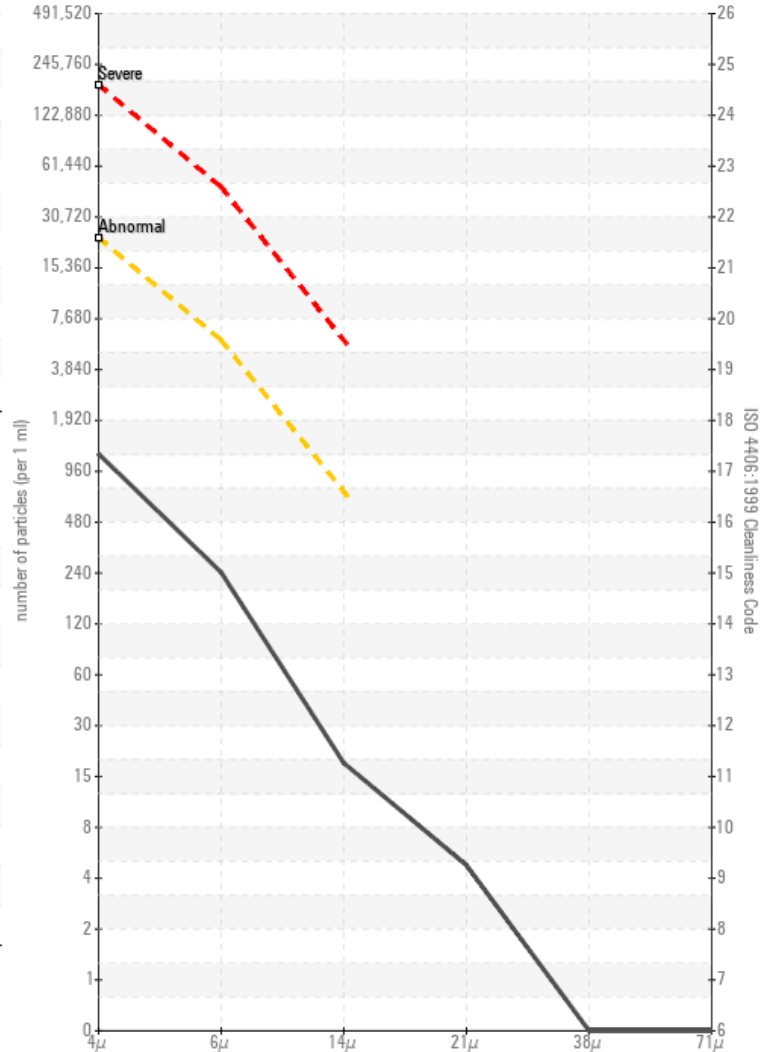
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

