

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R936 048753-1780 - Hydraulic System

Sample No: LH0220969

Oil Type: {unknown}



Sample Information

Sample Number	LH0220969	---	---	---
Sample Date	18 Apr 2024	---	---	---
Machine Hours	1977	---	---	---
Oil Hours	1977	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR EQUIPMENT SOURCE

4100 CHESTNUT AVENUE
NEWPORT NEWS, VA
US 23607

Contact: LUKE APPLEBY
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T:
F: (757)298-8700



Oil Condition

Visc @ 40°C	cSt	44.3	---	---	---
Acid Number (AN)	mg KOH/g	1.13	---	---	---



Contamination

Water	%	NEG	---	---	---
Particles >4µm		15042	---	---	---
Particles >6µm		4206	---	---	---
Particles >14µm		303	---	---	---
ISO 4406:1999 (c)		21/19/15	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	<1	---	---	---

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.



Wear Metals

Iron	ppm	6	---	---	---
Copper	ppm	4	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



Additives

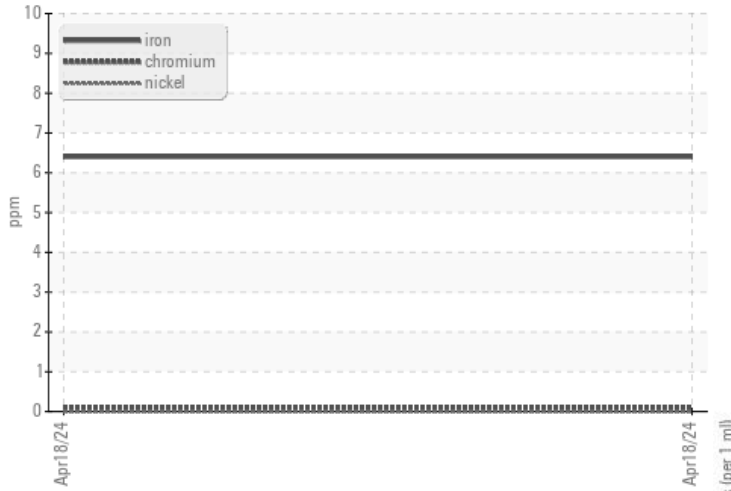
Calcium	ppm	1438	---	---	---
Magnesium	ppm	5	---	---	---
Zinc	ppm	726	---	---	---
Phosphorus	ppm	646	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: LIEBHERRUS
Unique No: 11004170
Signed: Wes Davis
Report Date: 30 Apr 2024

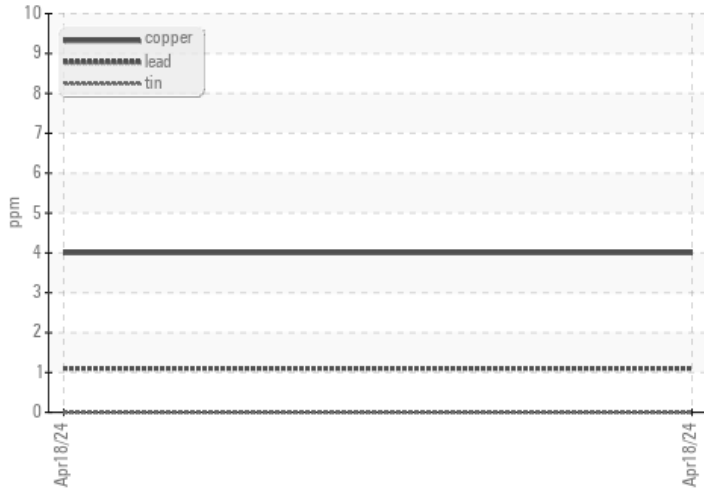


Graphs

Ferrous Alloys



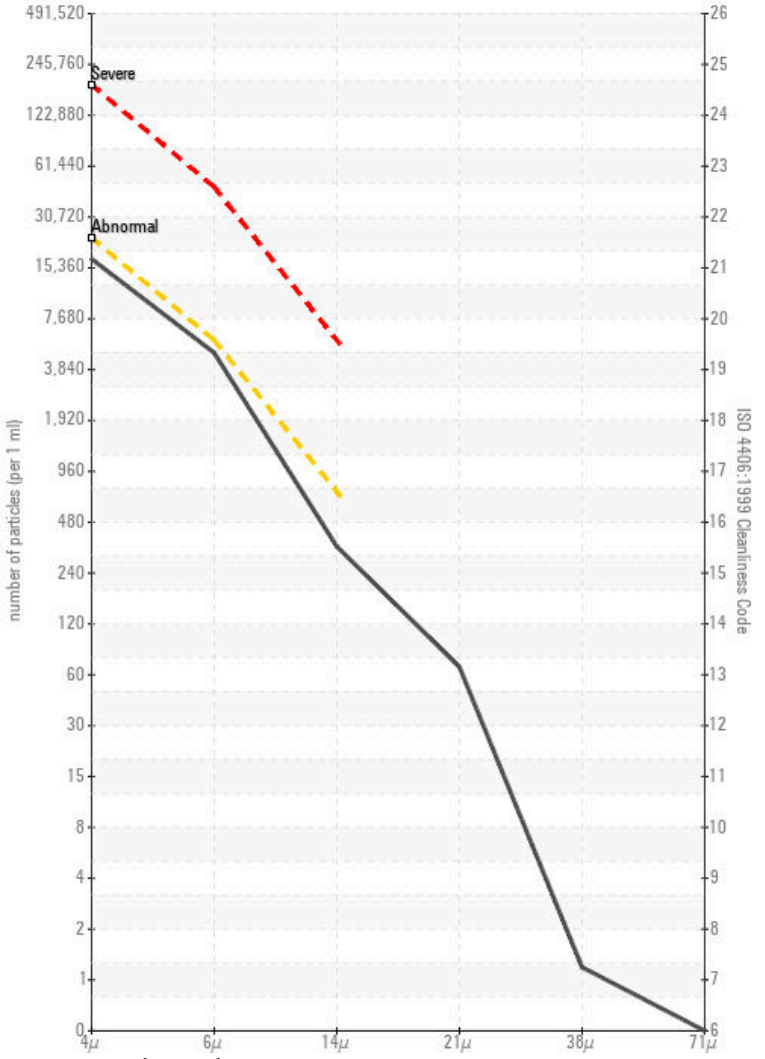
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

