

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR766 023058-1681 - Hydraulic System

Sample No: LH0273669

Oil Type: LIEBHERR HYDRAULIC HVI



RECO EQUIPMENT INC
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 BRIGHTON, MI
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Sample Information

Sample Number	LH0273669	---	---	---
Sample Date	15 May 2024	---	---	---
Machine Hours	946	---	---	---
Oil Hours	946	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



Oil Condition

Visc @ 40°C	cSt	● 44.0	---	---	---
Acid Number (AN)	mg KOH/g	● 0.91	---	---	---



Contamination

Water	%	NEG	---	---	---
Particles >4µm		● 5722	---	---	---
Particles >6µm		● 426	---	---	---
Particles >14µm		● 50	---	---	---
ISO 4406:1999 (c)		20/16/13	---	---	---
Silicon	ppm	● 4	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● 0	---	---	---



Wear Metals

Iron	ppm	● 7	---	---	---
Copper	ppm	● 7	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	● 0	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	● 818	---	---	---
Magnesium	ppm	● <1	---	---	---
Zinc	ppm	● 538	---	---	---
Phosphorus	ppm	● 504	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 0	---	---	---

Diagnosis

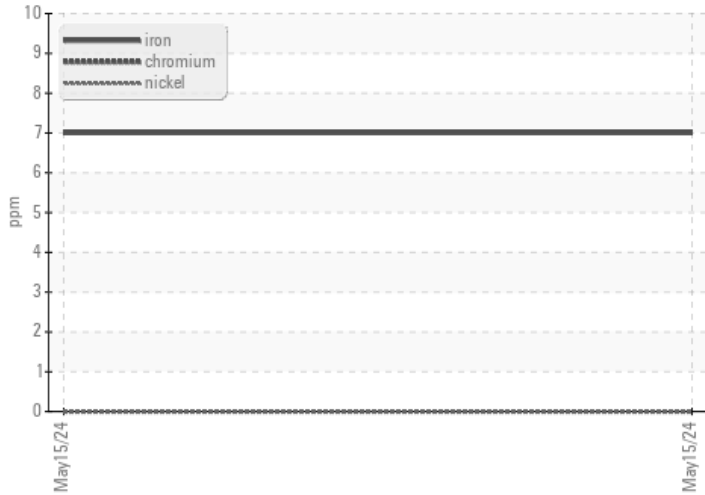
Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further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

Depot: RECBRILH
Unique No: 11047141
Signed: Wes Davis
Report Date: 28 May 2024

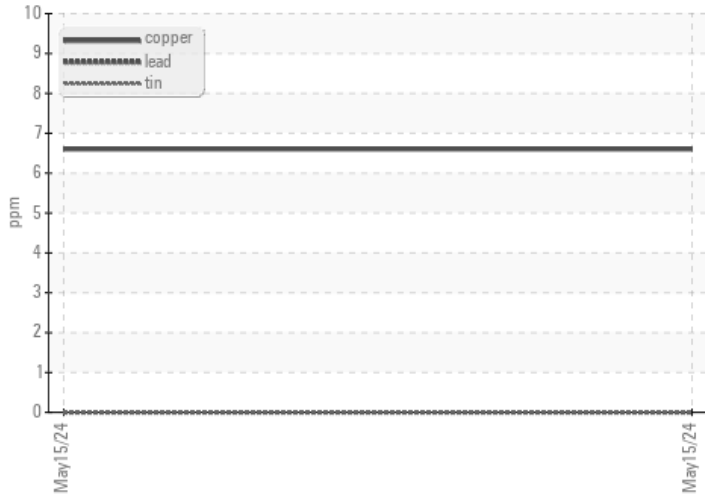


Graphs

Ferrous Alloys



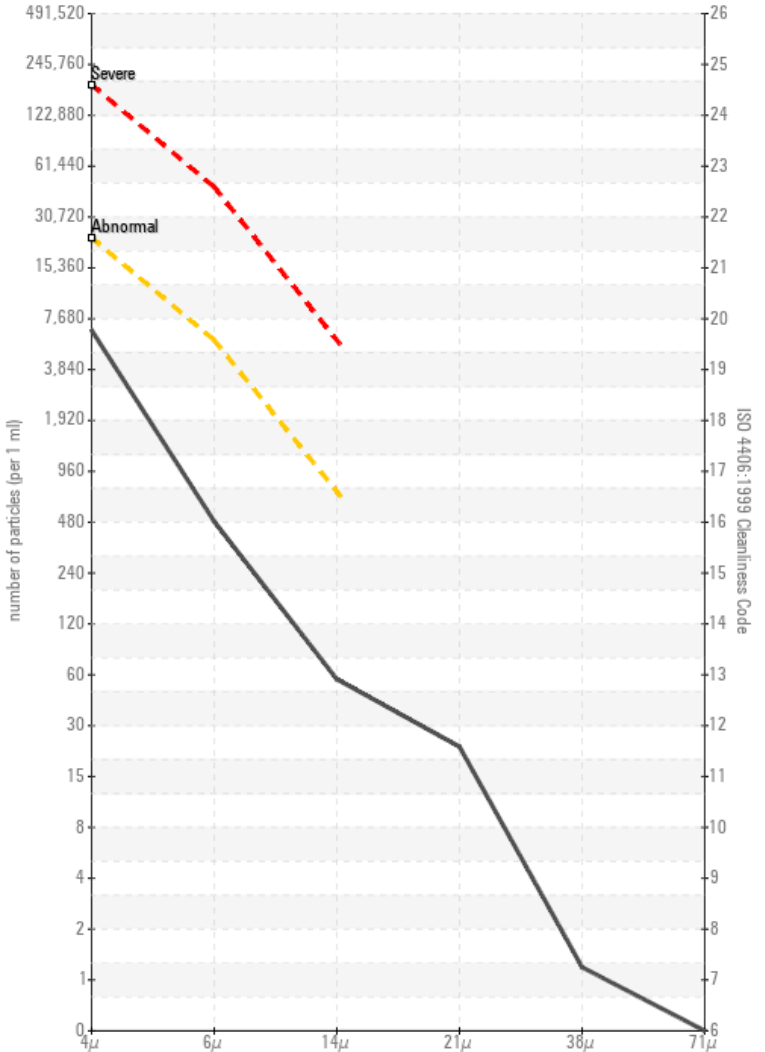
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

