

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 066954-1760 - Hydraulic System

Sample No: LH0243639
 Oil Type: NOT GIVEN



AMERICAN STATE EQUIPMENT CO.
 2055 SOUTH 108TH STREET
 MILWAUKEE, WI
 US 53227
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SAMPLE INFORMATION

Sample Number	LH0243639	---	---	---
Sample Date	17 Aug 2023	---	---	---
Machine Hours	1464	---	---	---
Oil Hours	1464	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 44.6	---	---	---
Acid Number (AN)	mg KOH/g	● 0.97	---	---	---



CONTAMINATION

Particles >4µm		● 12819	---	---	---
Particles >6µm		● 1877	---	---	---
Particles >14µm		● 70	---	---	---
ISO 4406:1999 (c)		21/18/13	---	---	---
Silicon	ppm	● 4	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 2	---	---	---



WEAR METALS

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



ADDITIVES

Calcium	ppm	1282	---	---	---
Magnesium	ppm	12	---	---	---
Zinc	ppm	679	---	---	---
Phosphorus	ppm	548	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Diagnosis

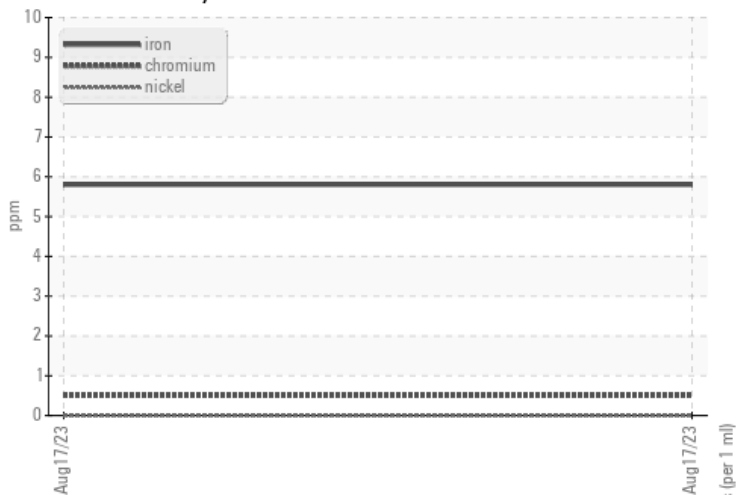
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level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

Depot: LEC007
 Unique No: 10630762
 Signed: Wes Davis
 Report Date: 01 Sep 2023

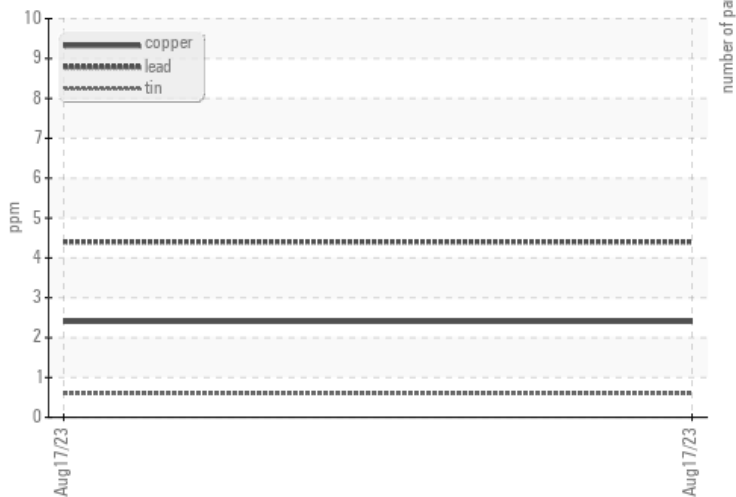


GRAPHS

Ferrous Alloys



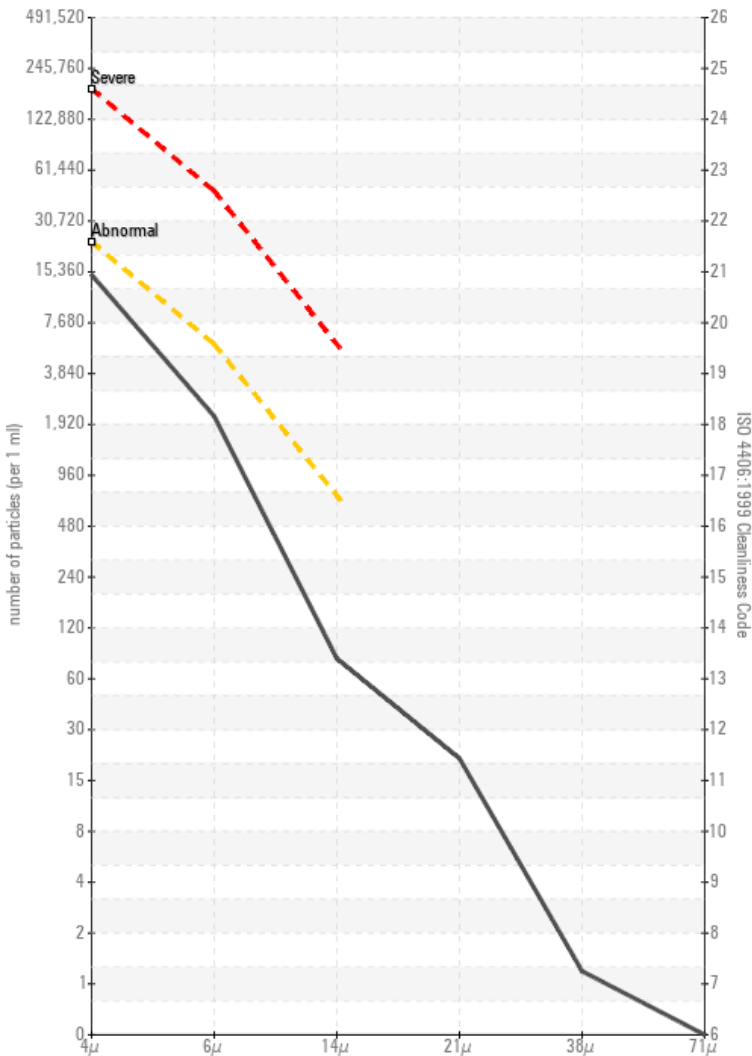
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

