

LIEBHERR

CONSTRUCTION EQUIPMENT



[[GOLD STAR METALS]] LIEBHERR L556 072521-1826 - Hydraulic

Sample No: LH0259156

Oil Type: LIEBHERR HYDRAULIC HVI



Sample Information

Sample Number	LH0259156	---	---	---
Sample Date	05 Apr 2024	---	---	---
Machine Hours	681	---	---	---
Oil Hours	681	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

DERICHEBOURG RECYCLING
 1 WHARF ST
 HOUSTON, TX
 US 77012
 Contact: JEFF MCLEROY
 jeff.mcleroy@derichebourg.com
 T: (281)642-6680
 F:



Oil Condition

Visc @ 40°C	cSt	● 45.8	---	---	---
Acid Number (AN)	mg KOH/g	● 1.20	---	---	---



Contamination

Water	%	NEG	---	---	---
Particles >4µm		● 13383	---	---	---
Particles >6µm		● 2801	---	---	---
Particles >14µm		● 83	---	---	---
ISO 4406:1999 (c)		21/19/14	---	---	---
Silicon	ppm	● 3	---	---	---
Sodium	ppm	● 0	---	---	---
Potassium	ppm	● 2	---	---	---

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.



Wear Metals

Iron	ppm	● 7	---	---	---
Copper	ppm	● 4	---	---	---
Lead	ppm	● 3	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 0	---	---	---
Vanadium	ppm	0	---	---	---



Additives

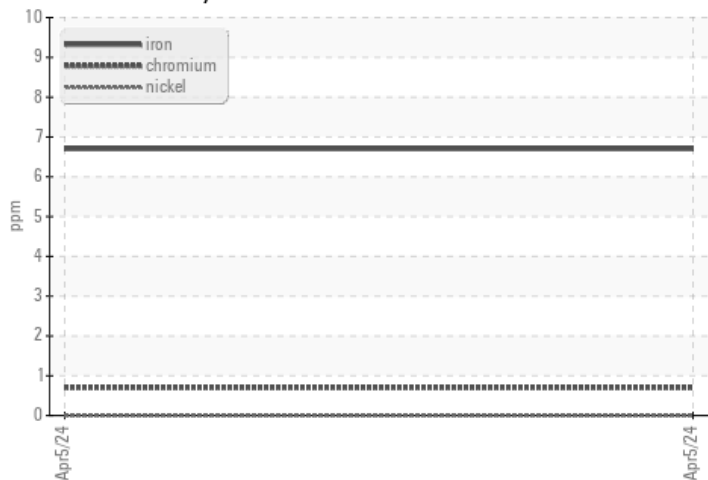
Calcium	ppm	● 1332	---	---	---
Magnesium	ppm	● 4	---	---	---
Zinc	ppm	● 702	---	---	---
Phosphorus	ppm	● 591	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 0	---	---	---

Depot: DERHOU
Unique No: 11087461
Signed: Wes Davis
Report Date: 20 Jun 2024

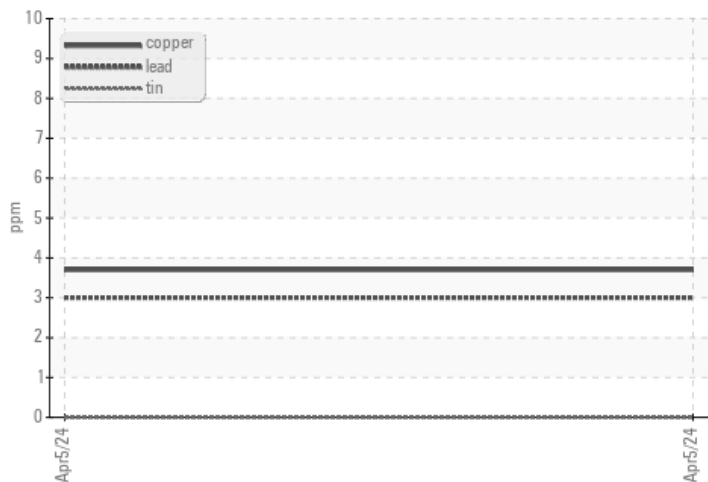


Graphs

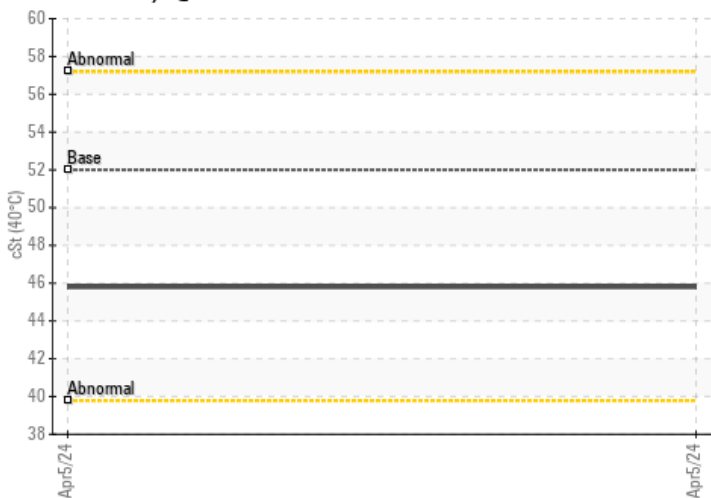
Ferrous Alloys



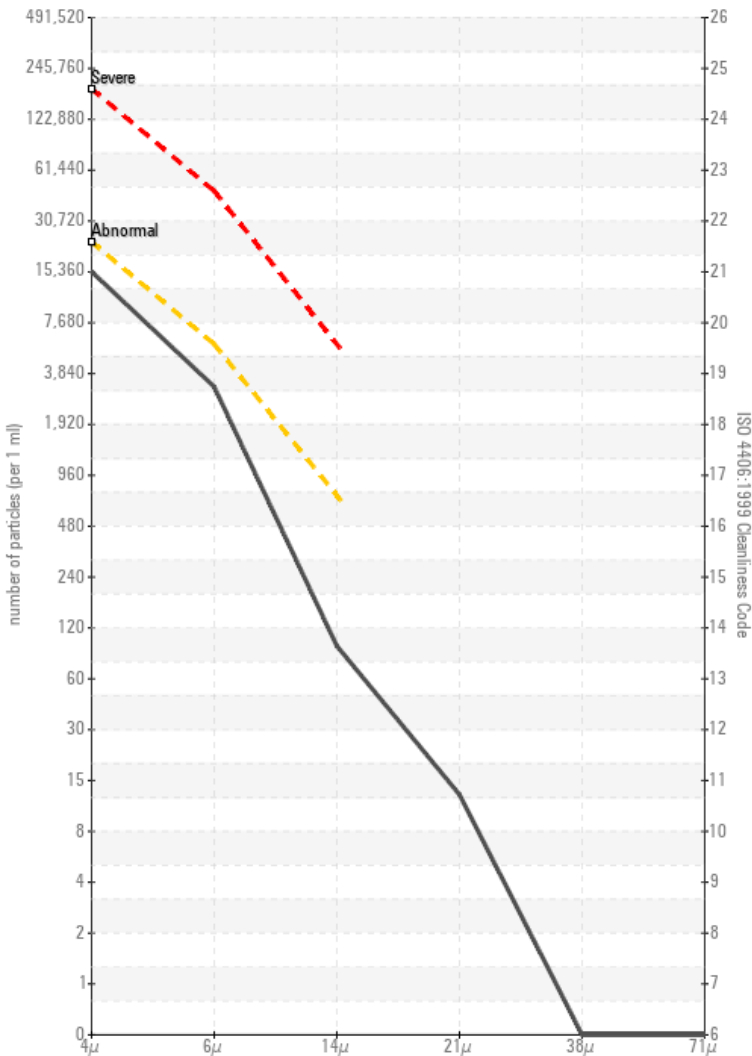
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

