

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH80 152076 - Hydraulic System

Sample No: LH0276195

Oil Type: {unknown}



SAMPLE INFORMATION

Sample Number	LH0276195	---	---	---
Sample Date	01 Apr 2024	---	---	---
Machine Hours	2639	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

CMI - COMBINED METAL INDUSTRIES
 505 GARY RAY DRIVE
 NORTH YORK, ON
 CA M9L 1P9
 Contact: Greg Sacher
 gsacher@combinedmetal.com
 T: (416)642-7262
 F:



OIL CONDITION

Visc @ 40°C	cSt	● 43.7	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		● 13910	---	---	---
Particles >6µm		● 2731	---	---	---
Particles >14µm		● 100	---	---	---
ISO 4406:1999 (c)		21/19/14	---	---	---
Silicon	ppm	● 3	---	---	---
Sodium	ppm	● 1	---	---	---
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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	● 12	---	---	---
Copper	ppm	● 3	---	---	---
Lead	ppm	● 0	---	---	---
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

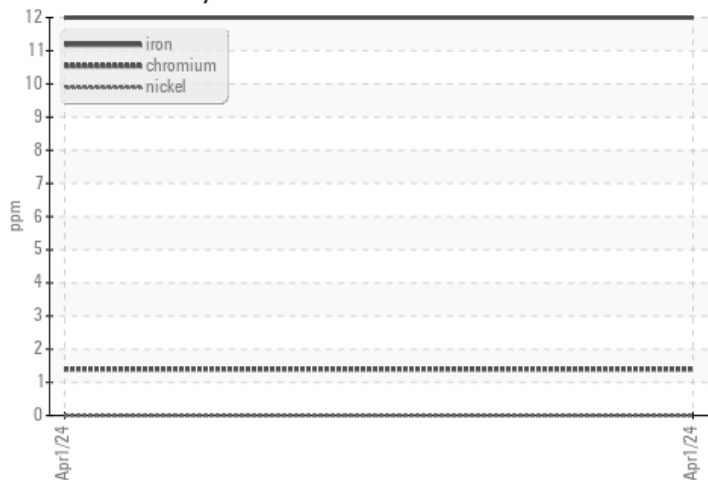
Calcium	ppm	840	---	---	---
Magnesium	ppm	5	---	---	---
Zinc	ppm	613	---	---	---
Phosphorus	ppm	524	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

Depot: COMWES
Unique No: 5759240
Signed: Wes Davis
Report Date: 03 Apr 2024

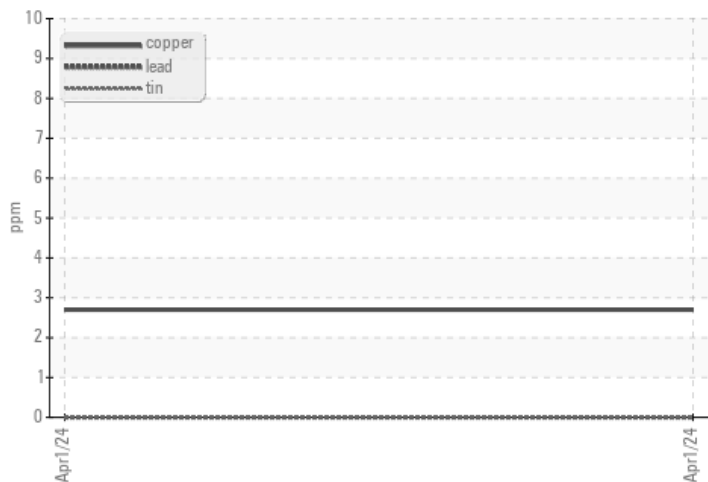


GRAPHS

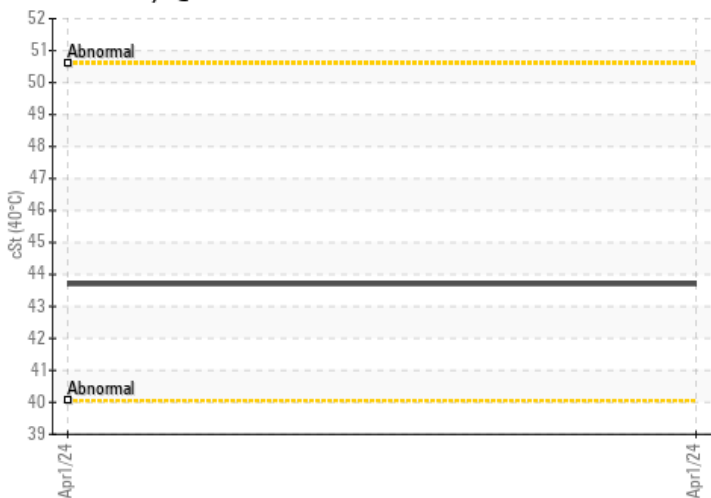
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

