

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 142251-1216 - Hydraulic System

Sample No: LH0203837

Oil Type: NOT GIVEN



LA COMPAGNIE AMERICAINE DE FER ET METAUX
2630 N. BANGOR ROAD
BANGOR, ME
US 04401
Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0203837	---	---	---
Sample Date	19 Oct 2023	---	---	---
Machine Hours	497	---	---	---
Oil Hours	497	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 44.4	---	---	---
Acid Number (AN)	mg KOH/g	● 1.34	---	---	---

T:
F:



CONTAMINATION

Water	%	● 0.233	---	---	---
Silicon	ppm	● 4	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● 1	---	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	● 6	---	---	---
Copper	ppm	● 3	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

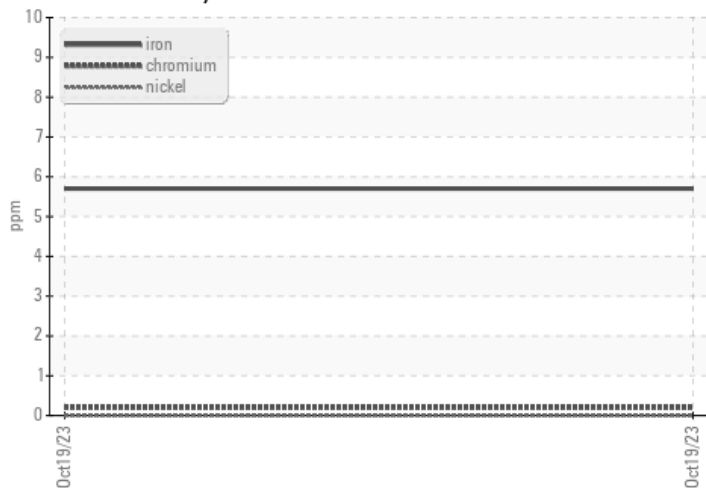
Calcium	ppm	1303	---	---	---
Magnesium	ppm	4	---	---	---
Zinc	ppm	707	---	---	---
Phosphorus	ppm	590	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: LACBAN
Unique No: 10701959
Signed: Don Baldrige
Report Date: 23 Oct 2023

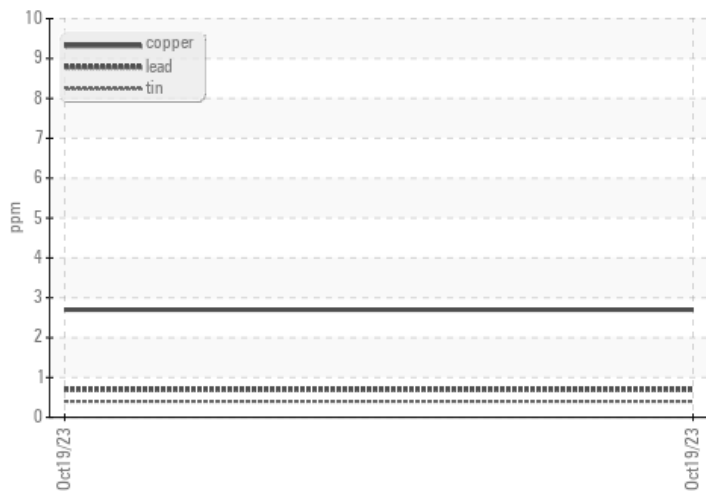


GRAPHS

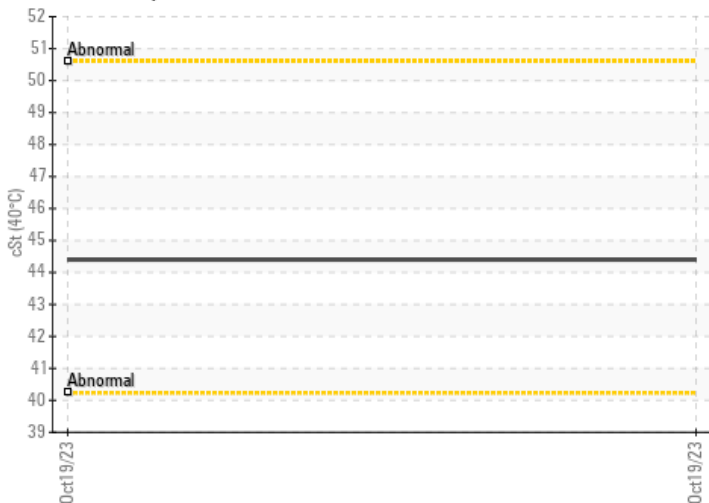
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

