

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 144578-1253 - Hydraulic System

Sample No: LH
Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH	LH0250057	---	---
Sample Date	04 Oct 2023	22 Mar 2023	---	---
Machine Hours	0	498	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

Industrial Metals

550 Messier St.
Winnipeg, MB
CA R2J 0G5
Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	44.2	48.4	---	---
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T:
F:



CONTAMINATION

Water	%	0.056	0.500	---	---
Particles >4µm		28895	108453	---	---
Particles >6µm		11613	32994	---	---
Particles >14µm		888	2634	---	---
ISO 4406:1999 (c)		22/21/17	24/22/19	---	---
Silicon	ppm	3	2	---	---
Sodium	ppm	2	<1	---	---
Potassium	ppm	<1	1	---	---

Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	20	15	---	---
Copper	ppm	6	3	---	---
Lead	ppm	1	2	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

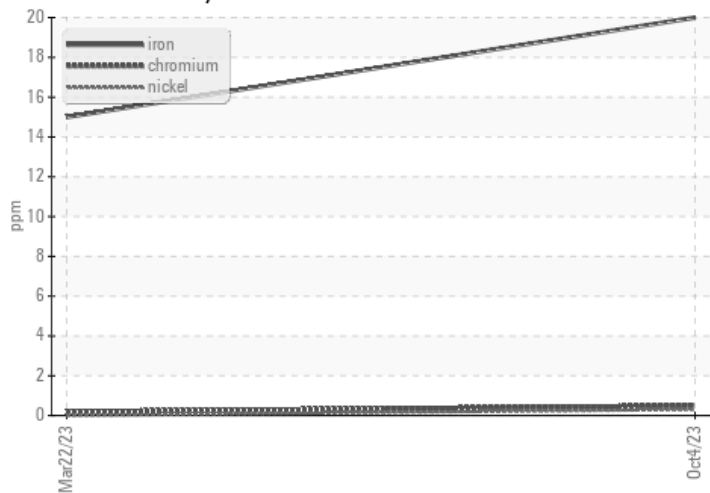
Calcium	ppm	1211	1320	---	---
Magnesium	ppm	3	3	---	---
Zinc	ppm	714	700	---	---
Phosphorus	ppm	614	696	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	1	1	---	---

Depot: IND550WIN
Unique No: 5658737
Signed: Wes Davis
Report Date: 18 Oct 2023

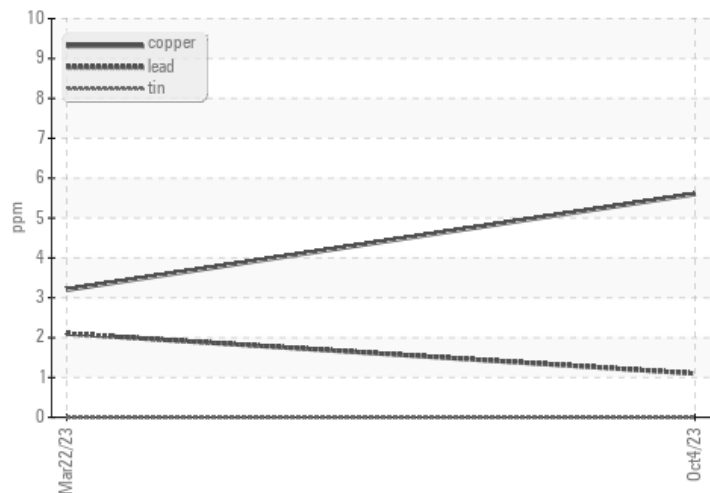


GRAPHS

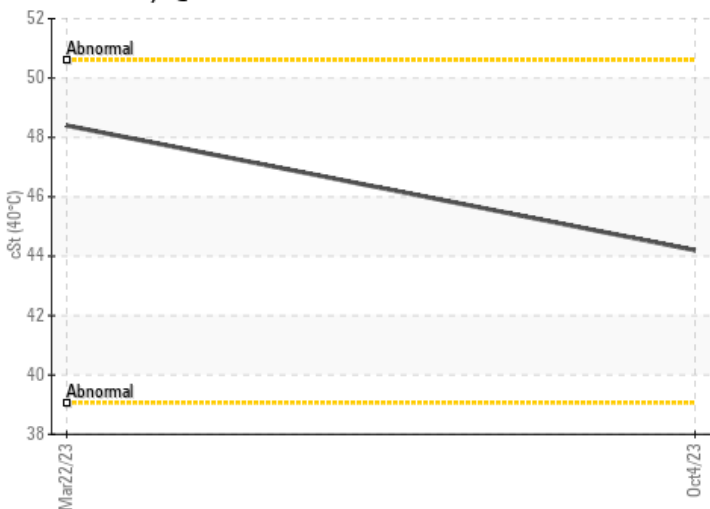
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

