

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 145272-1253 - Hydraulic System

Sample No: LH
Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH	LH0250161	LH0250177	---
Sample Date	14 Mar 2024	08 Sep 2023	05 Jun 2023	---
Machine Hours	2004	1004	500	---
Oil Hours	0	0	500	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	ABNORMAL	NORMAL	ABNORMAL	---

Industrial Metals

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



OIL CONDITION

Visc @ 40°C	cSt	42.6	43.4	44.2	---
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T:
F:



CONTAMINATION

Water	%	0.663	NEG	NEG	---
Particles >4µm		61862	5814	87385	---
Particles >6µm		17897	1251	33032	---
Particles >14µm		843	104	556	---
ISO 4406:1999 (c)		23/21/17	20/17/14	24/22/16	---
Silicon	ppm	4	4	4	---
Sodium	ppm	2	2	2	---
Potassium	ppm	2	2	2	---

Diagnosis

We advise that you check for the source of water entry. 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. There is a moderate concentration of water present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	11	10	9	---
Copper	ppm	8	4	5	---
Lead	ppm	1	1	1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	1	<1	<1	---
Chromium	ppm	2	2	<1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

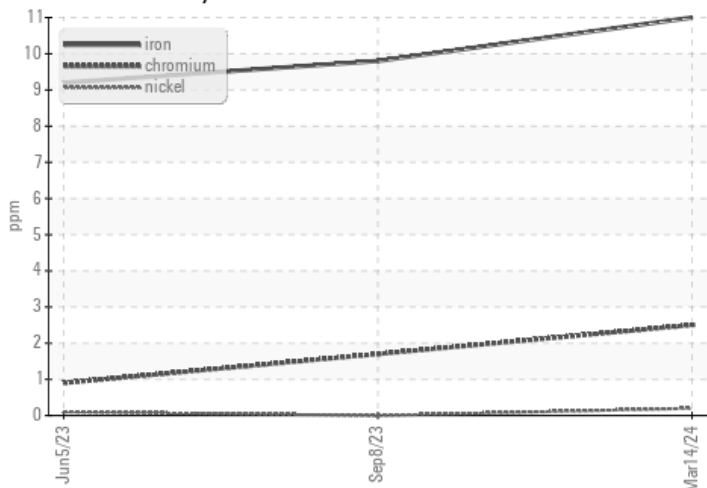
Calcium	ppm	1008	1120	1328	---
Magnesium	ppm	4	4	5	---
Zinc	ppm	736	732	753	---
Phosphorus	ppm	636	660	720	---
Barium	ppm	0	0	0	---
Boron	ppm	<1	<1	2	---

Depot: IND550WIN
Unique No: 5748192
Signed: Kevin Marson
Report Date: 20 Mar 2024

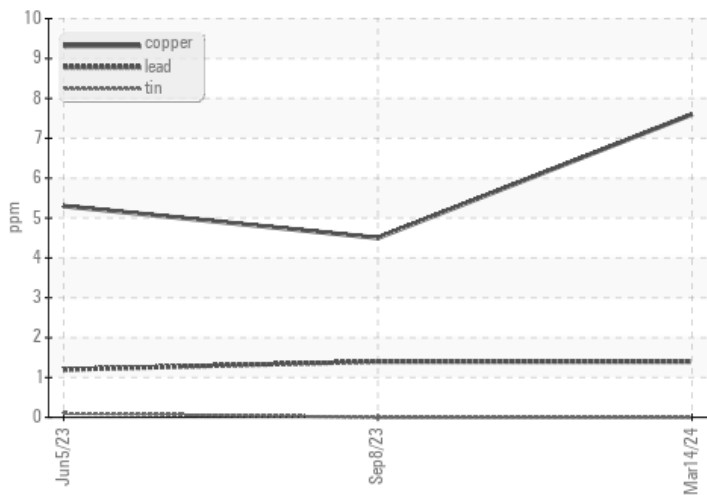


GRAPHS

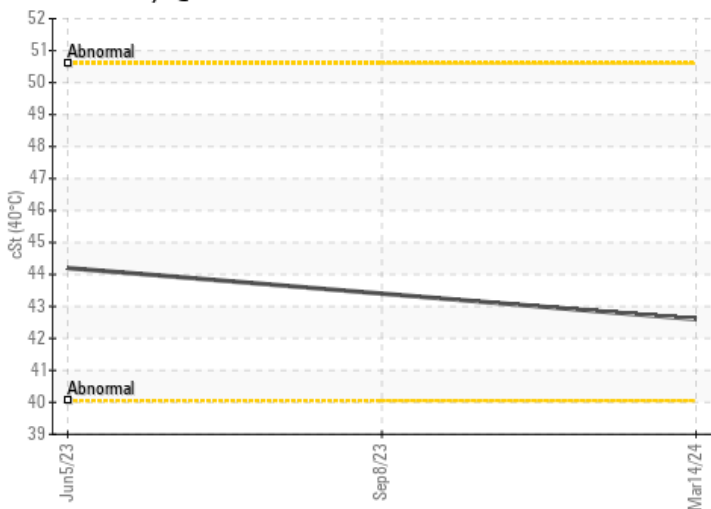
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

