

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40M 156305-1215 - Hydraulic System

Sample No: LH
 Oil Type: NOT GIVEN



Urban Mine
 72 Rothwell Rd.
 Winnipeg, MB
 CA R3P 2H7
 Contact: SERVICE

T: (204)774-0192
 F:

Diagnosis

Check seals and/or filters for points of contaminant entry. 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. Free water present. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



Sample Information

Sample Number	LH	LH0278470	---	---
Sample Date	09 May 2024	20 Feb 2024	---	---
Machine Hours	1010	536	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---



Oil Condition

Visc @ 40°C	cSt	44.5	45.3	---	---
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Contamination

Water	%	NEG	0.476	---	---
Particles >4µm		95986	46278	---	---
Particles >6µm		39840	18346	---	---
Particles >14µm		2336	991	---	---
ISO 4406:1999 (c)		24/22/18	23/21/17	---	---
Silicon	ppm	1	2	---	---
Sodium	ppm	1	<1	---	---
Potassium	ppm	2	1	---	---



Wear Metals

Iron	ppm	12	7	---	---
Copper	ppm	6	2	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	1114	1243	---	---
Magnesium	ppm	8	7	---	---
Zinc	ppm	685	700	---	---
Phosphorus	ppm	597	655	---	---
Barium	ppm	0	0	---	---
Boron	ppm	<1	<1	---	---

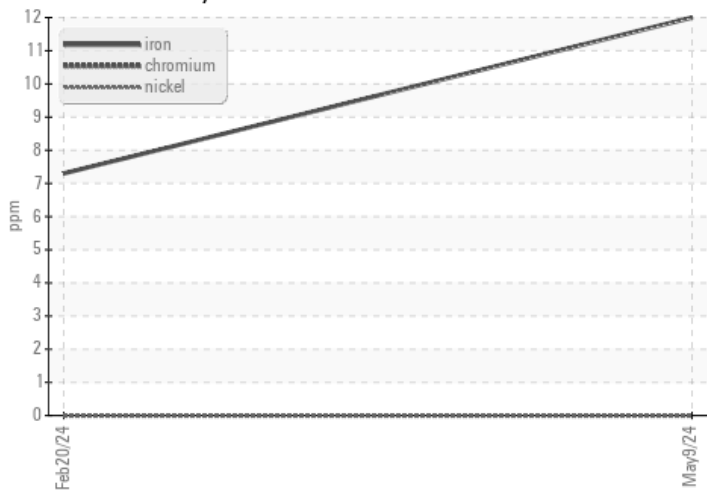
Depot: URBWIN
 Unique No: 5776471
 Signed: Kevin Marson
 Report Date: 15 May 2024

Submitted By: Vincent Blanchette

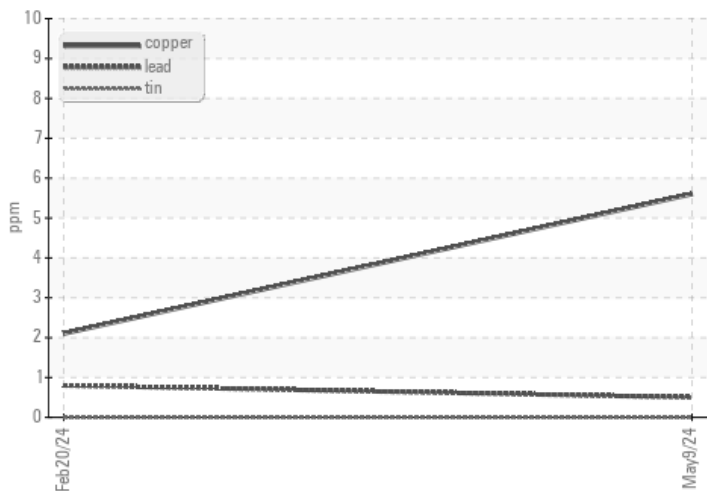


Graphs

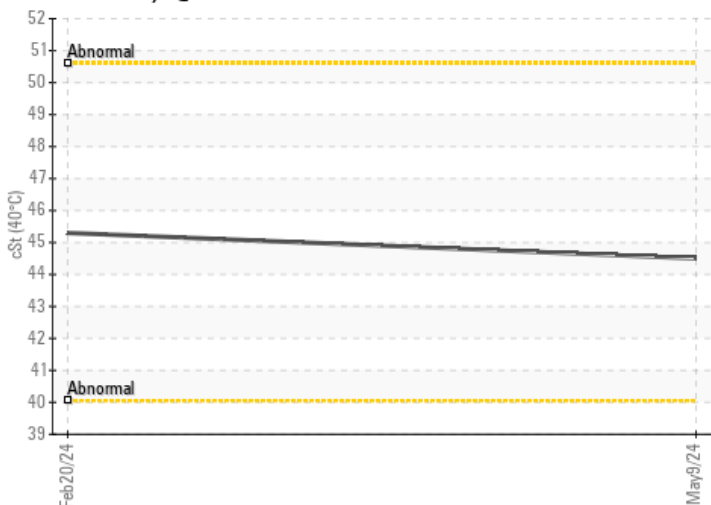
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

