

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 150728-1216 - Hydraulic System

Sample No: LH0284072

Oil Type: PETRO CANADA HYDREX AW 46



#### Sample Information

Sample Number	LH0284072	LH0271866	LH0242067	---
Sample Date	29 Apr 2024	09 Feb 2024	21 Nov 2023	---
Machine Hours	1514	1066	500	---
Oil Hours	1514	0	500	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

#### ABC RECYCLING

750C JACKSON RD

NANAIMO, BC

CA V9X 1J2

Contact: Jordie Richmond

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T: (250)202-8235

F:



#### Oil Condition

Visc @ 40°C	cSt	● 45.2	● 44.5	● 45.6	---
Acid Number (AN)	mg KOH/g	---	● 1.28	---	---



#### Contamination

Water	%	● 0.016	NEG	NEG	---
Particles >4µm		● 11437	● 3303	● 3604	---
Particles >6µm		● 1613	● 430	● 207	---
Particles >14µm		● 40	● 24	● 7	---
ISO 4406:1999 (c)		21/18/12	19/16/12	19/15/10	---
Silicon	ppm	● 0	● 3	● 3	---
Sodium	ppm	● <1	● 1	● 2	---
Potassium	ppm	● <1	● 1	● <1	---

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.



#### Wear Metals

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



#### Additives

Calcium	ppm	● 327	1273	1322	---
Magnesium	ppm	● 12	● 5	● 4	---
Zinc	ppm	● 514	● 663	● 684	---
Phosphorus	ppm	● 414	● 605	● 592	---
Barium	ppm	● 0	● 0	● <1	---
Boron	ppm	● <1	● 0	● <1	---

Depot: ABCNAN

Unique No: 5774667

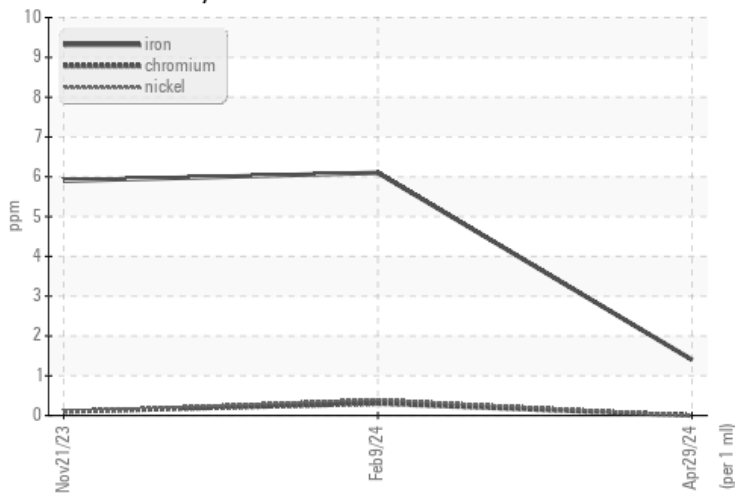
Signed: Wes Davis

Report Date: 07 May 2024

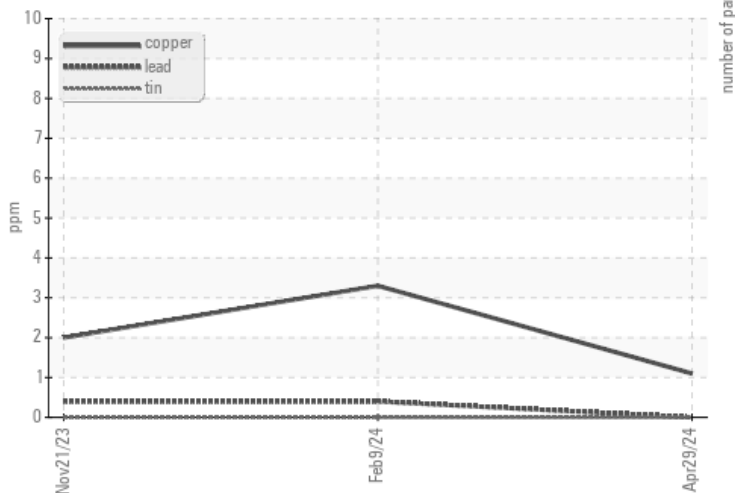


### Graphs

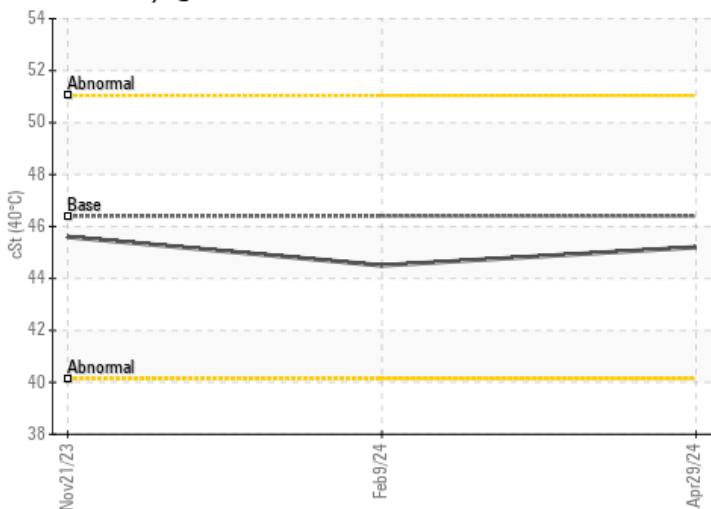
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

