

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(345481)] LIEBHERR LH50M 128862-1216 - Hydraulic System

Sample No: LH0282640

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



#### Sample Information

Sample Number	LH0282640	LH0284345	LH	LH
Sample Date	23 Apr 2024	06 Feb 2024	20 Oct 2023	17 Jul 2023
Machine Hours	5485	5027	2460	3940
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL

**American Iron and Metal**  
10171 AVE PELLETIER  
MONTREAL-NORD, QC  
CA H1H 3R2  
Contact: Allen Singerman



#### Oil Condition

Visc @ 40°C	cSt	44.1	43.1	43.5	43.4
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T:  
F:



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		5508	2005	3796	920
Particles >6µm		1613	594	1103	250
Particles >14µm		129	43	60	15
ISO 4406:1999 (c)		20/18/14	18/16/13	19/17/13	17/15/11
Silicon	ppm	0	2	2	2
Sodium	ppm	1	2	2	2
Potassium	ppm	<1	<1	<1	<1

#### Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable. L'état de l'huile est acceptable pour la durée de service.



#### Wear Metals

PQ		---	8	0	3
Iron	ppm	49	105	100	86
Copper	ppm	2	4	4	3
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	1	1	2
Vanadium	ppm	0	0	0	0



#### Additives

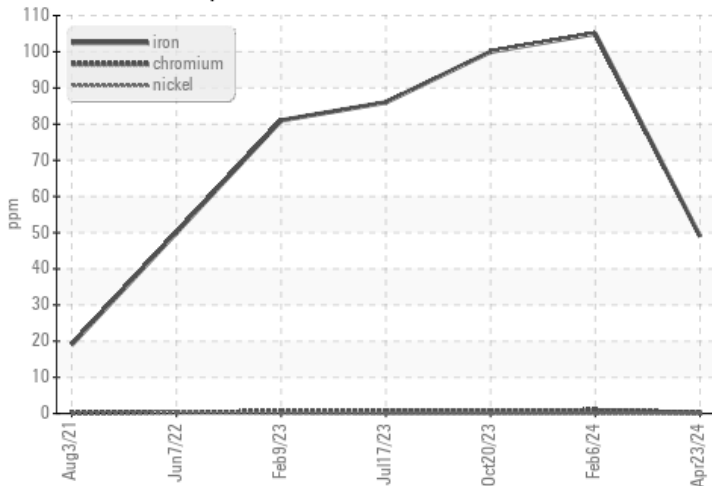
Calcium	ppm	443	966	975	947
Magnesium	ppm	3	8	8	8
Zinc	ppm	740	617	622	620
Phosphorus	ppm	596	541	527	560
Barium	ppm	0	0	<1	0
Boron	ppm	<1	<1	1	<1

**Depot:** AIM101MON  
**Unique No:** 5772502  
**Signed:** Wes Davis  
**Report Date:** 25 Apr 2024

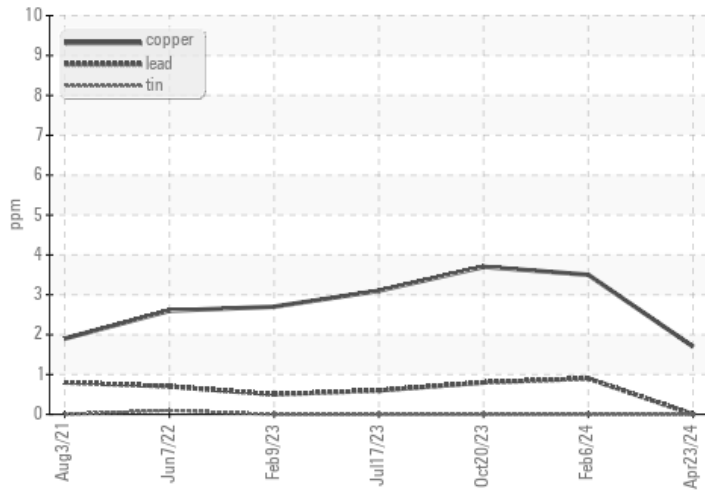


### Graphs

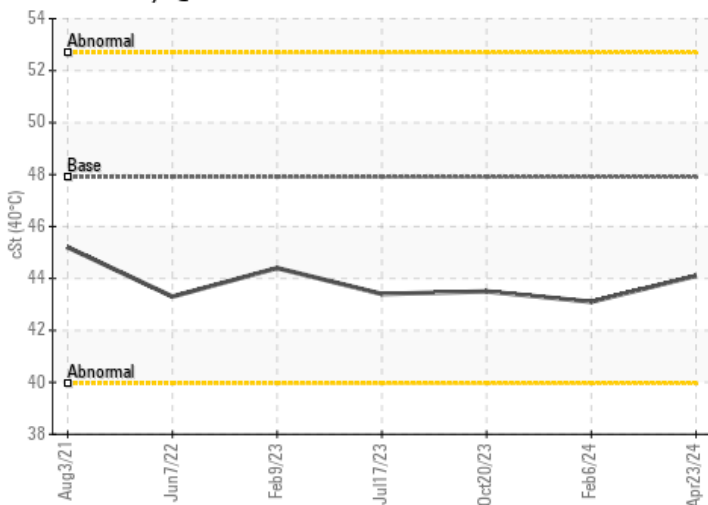
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

