

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 145793-1216 - Hydraulic System

Sample No: LH

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



#### SAMPLE INFORMATION

Sample Number	LH	LH	LH	LH0259743
Sample Date	21 Sep 2023	02 Aug 2023	04 Jul 2023	17 May 2023
Machine Hours	3500	2500	2000	1020
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	N/A	Not Changd
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

**PF Resolu Canada Inc.**  
5850 avenue des jardins  
La Dore, QC  
CA G8J 1B4  
Contact: Dominic Caron



#### OIL CONDITION

Visc @ 40°C	cSt	43.2	44.4	44.2	45.3
Acid Number (AN)	mg KOH/g	---	---	---	1.17

T:  
F:



#### CONTAMINATION

Water	%	---	---	---	0.012
Particles >4µm		2425	5513	4426	1203
Particles >6µm		673	1651	1004	187
Particles >14µm		44	140	51	8
ISO 4406:1999 (c)		18/17/13	20/18/14	19/17/13	17/15/10
Silicon	ppm	4	4	4	3
Sodium	ppm	3	3	2	1
Potassium	ppm	2	2	1	<1

#### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. 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. Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'état de l'huile est acceptable pour la durée de service.



#### WEAR METALS

Iron	ppm	11	10	9	8
Copper	ppm	3	2	2	1
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	1	<1	<1
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	<1	0	<1	0
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

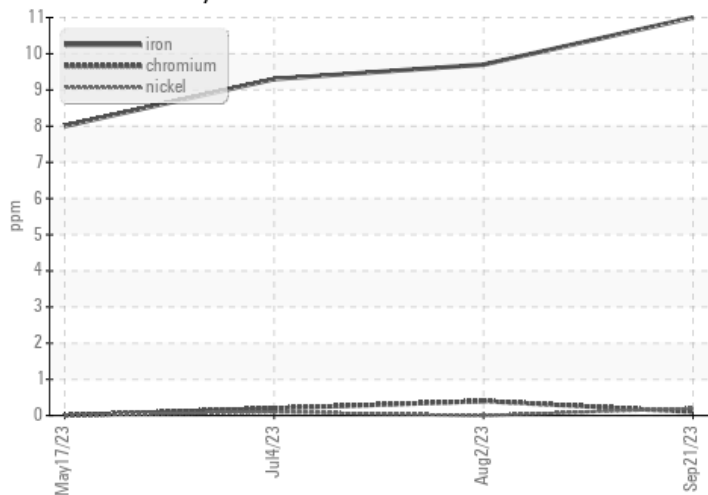
Calcium	ppm	1488	1477	1496	1578
Magnesium	ppm	5	7	5	4
Zinc	ppm	727	721	735	730
Phosphorus	ppm	631	668	688	726
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	<1	<1

**Depot:** ABILAD  
**Unique No:** 5646019  
**Signed:** Bill Quesnel  
**Report Date:** 26 Sep 2023

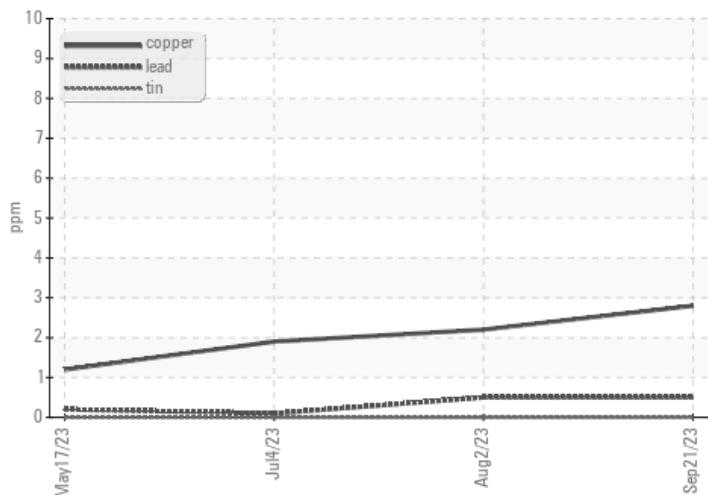


### GRAPHS

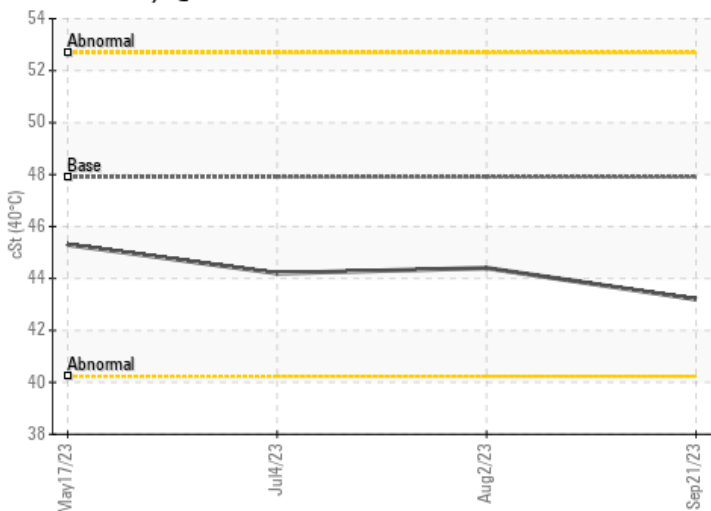
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

