

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L556 054860-1332 - Hydraulic System

Sample No: LH

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL

**GROUPE LIGNAREX INC.**  
7700 CHEMIN DE LA BATTURE  
LA BAIE, QC  
CA G7B 3P6  
Contact: Service Manager

T:  
F:

#### 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.



## SAMPLE INFORMATION

Sample Number	LH	LH0153029	LH0246666	LH0222073
Sample Date	18 Jul 2023	14 Apr 2023	20 Jan 2023	08 Apr 2022
Machine Hours	13966	13063	12018	9015
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



## OIL CONDITION

Visc @ 40°C	cSt	● 43.4	● 42.6	● 43.1	● 44.1
Acid Number (AN)	mg KOH/g	---	● 0.85	---	---



## CONTAMINATION

Particles >4µm		● 9881	● 6039	● 5249	● 15688
Particles >6µm		● 2041	● 1216	● 1161	● 4255
Particles >14µm		● 95	● 73	● 74	● 407
ISO 4406:1999 (c)		20/18/14	20/17/13	20/17/13	21/19/16
Silicon	ppm	● <1	● <1	● <1	● <1
Sodium	ppm	● <1	● 1	● <1	● <1
Potassium	ppm	● <1	● 0	● 0	● <1



## WEAR METALS

Iron	ppm	● 4	● 5	● 4	● 3
Copper	ppm	● 1	● 2	● 1	● 1
Lead	ppm	● <1	● <1	● <1	● <1
Tin	ppm	● 0	● <1	● 0	● 0
Aluminum	ppm	● <1	● <1	● <1	● <1
Chromium	ppm	● 3	● 4	● 2	● 2
Molybdenum	ppm	● 0	● 0	● 0	● 0
Nickel	ppm	● <1	● <1	● <1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	● 0	● 0	● 0	● 0
Vanadium	ppm	0	0	0	0



## ADDITIVES

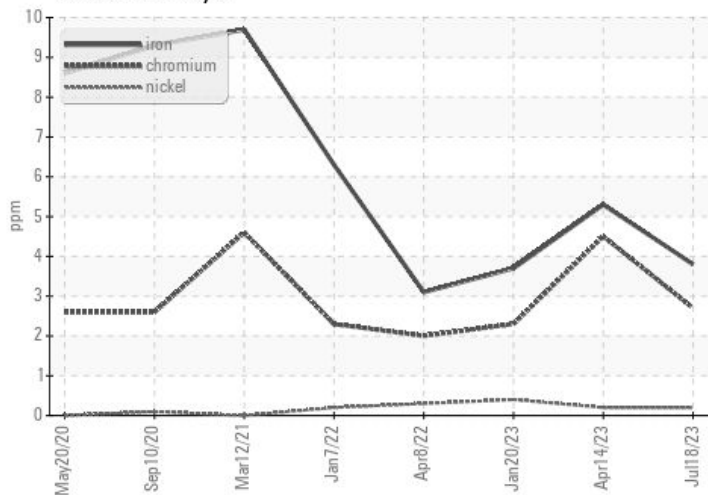
Calcium	ppm	● 107	● 118	● 125	● 136
Magnesium	ppm	● 1	● 1	● 3	● 3
Zinc	ppm	● 838	● 839	● 842	● 836
Phosphorus	ppm	● 702	● 705	● 704	● 661
Barium	ppm	● 0	● 0	● 0	● 0
Boron	ppm	● <1	● <1	● <1	● <1

Depot: GROLAB  
 Unique No: 5618805  
 Signed: Kevin Marson  
 Report Date: 03 Aug 2023

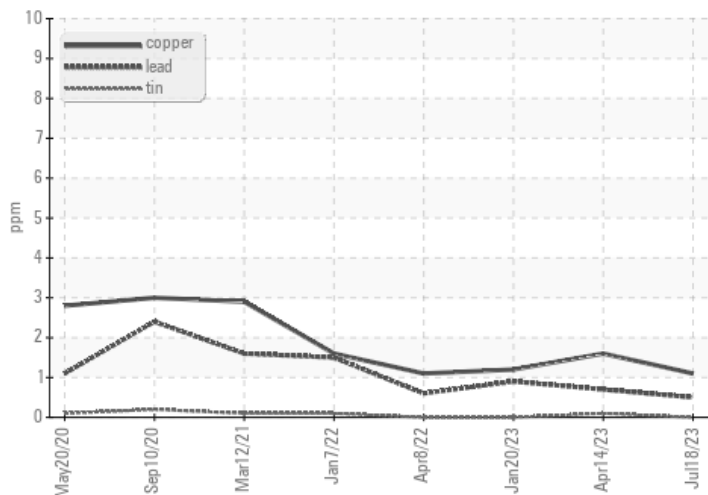


### GRAPHS

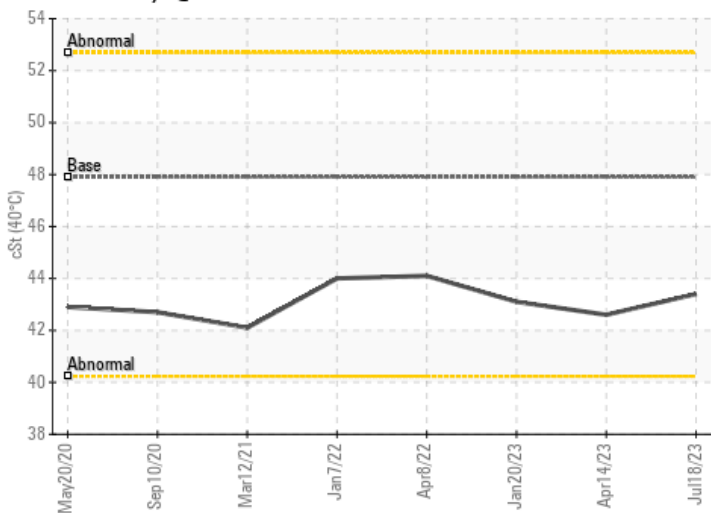
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



Particle Filter (Magn: 100 x)

