

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L556 054860-1332 - Hydraulic System

Sample No: LH

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



#### SAMPLE INFORMATION

Sample Number	LH	LH	LH	LH0153029
Sample Date	12 Jan 2024	08 Dec 2023	18 Jul 2023	14 Apr 2023
Machine Hours	15500	15000	13966	13063
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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



#### OIL CONDITION

Visc @ 40°C	cSt	43.5	42.4	43.4	42.6
Acid Number (AN)	mg KOH/g	---	---	---	0.85

T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		8526	873	9881	6039
Particles >6µm		2118	186	2041	1216
Particles >14µm		98	16	95	73
ISO 4406:1999 (c)		20/18/14	17/15/11	20/18/14	20/17/13
Silicon	ppm	<1	<1	<1	<1
Sodium	ppm	<1	<1	<1	1
Potassium	ppm	0	0	<1	0

#### 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

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



#### ADDITIVES

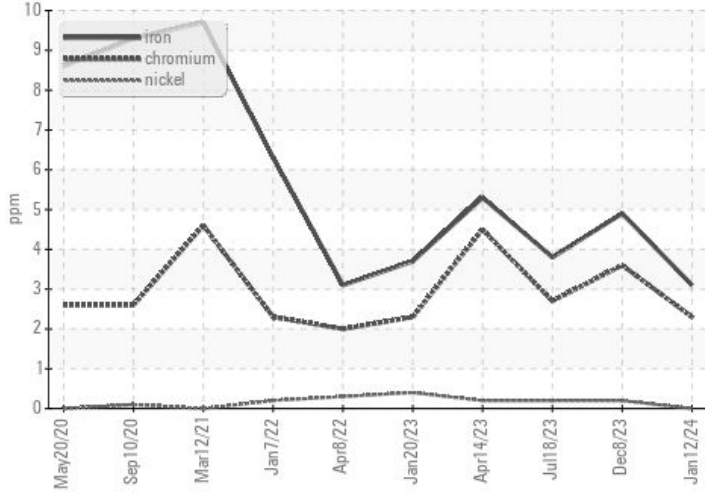
Calcium	ppm	107	107	107	118
Magnesium	ppm	<1	<1	1	1
Zinc	ppm	839	839	838	839
Phosphorus	ppm	666	651	702	705
Barium	ppm	0	<1	0	0
Boron	ppm	0	<1	<1	<1

Depot: GROLAB  
 Unique No: 5710519  
 Signed: Wes Davis  
 Report Date: 19 Jan 2024

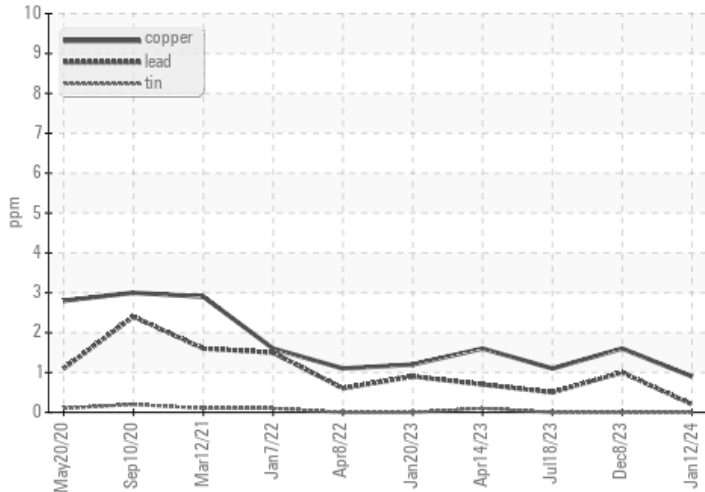


### GRAPHS

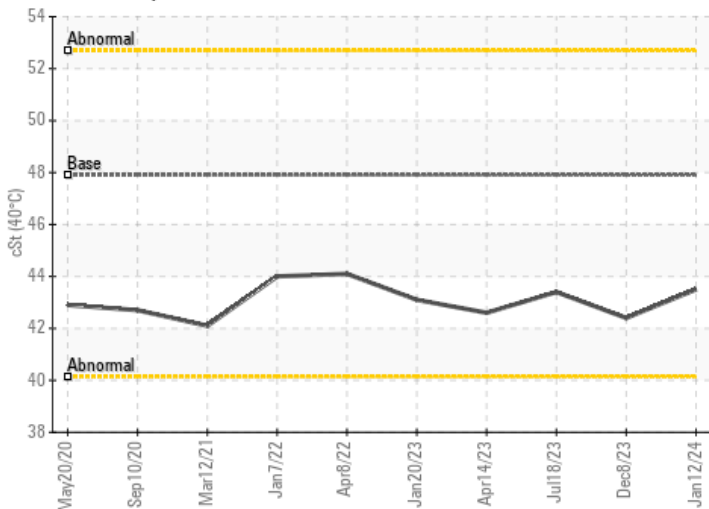
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

