

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L556 053565-1332 - Hydraulic System

Sample No: LH

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



#### SAMPLE INFORMATION

Sample Number	LH	LH0246554	LH0224104	LH0246672
Sample Date	15 Sep 2023	02 Jun 2023	03 Mar 2023	25 Nov 2022
Machine Hours	15032	14035	13047	11965
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

**NEXOLIA, CHAPAIS ENERGIE SEC**  
 140 RUE DE LA CONGENERATION  
 CHAPAIS, QC  
 CA G0W 1H0  
 Contact: Carl Adams



#### OIL CONDITION

Visc @ 40°C	cSt	42.4	43.1	43.6	43.7
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T: (418)745-2521  
 F: (418)745-3680



#### CONTAMINATION

Water	%	---	---	---	0.007
Particles >4µm		2205	37336	7195	11492
Particles >6µm		585	10369	894	2673
Particles >14µm		49	496	94	171
ISO 4406:1999 (c)		18/16/13	22/21/16	20/17/14	21/19/15
Silicon	ppm	1	1	<1	<1
Sodium	ppm	<1	1	<1	<1
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

Iron	ppm	9	8	6	4
Copper	ppm	2	2	2	2
Lead	ppm	1	<1	<1	1
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	7	7	6	3
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	0	0
Vanadium	ppm	0	0	0	0



#### ADDITIVES

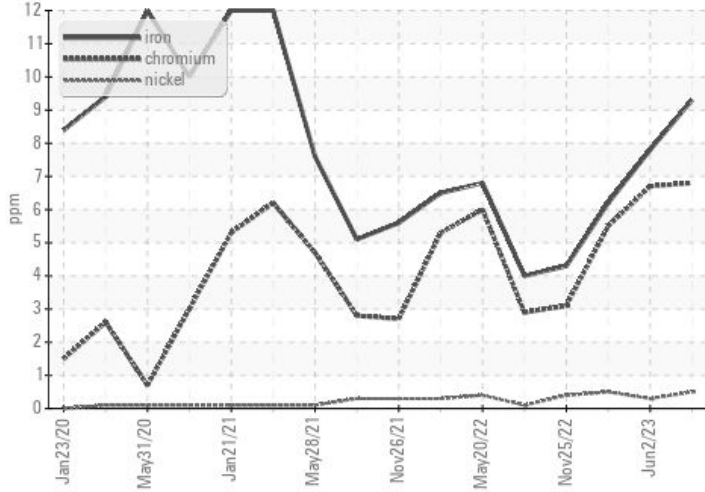
Calcium	ppm	130	137	175	158
Magnesium	ppm	1	1	2	1
Zinc	ppm	840	814	810	837
Phosphorus	ppm	678	680	693	698
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	<1	<1

Depot: CHA140CHA  
 Unique No: 5645085  
 Signed: Wes Davis  
 Report Date: 21 Sep 2023

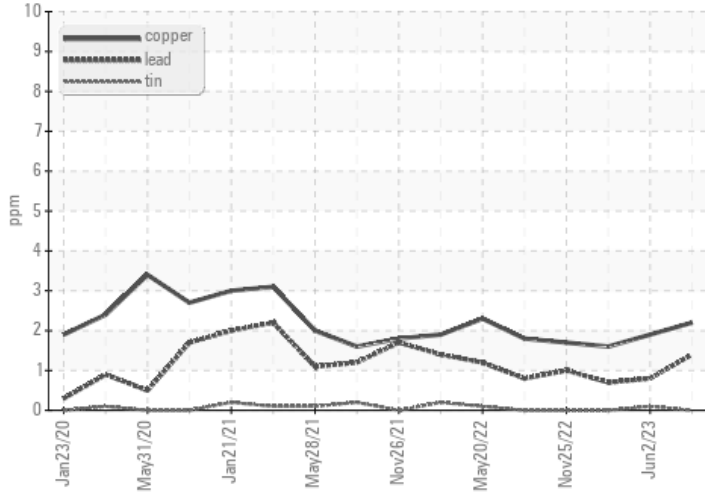


### GRAPHS

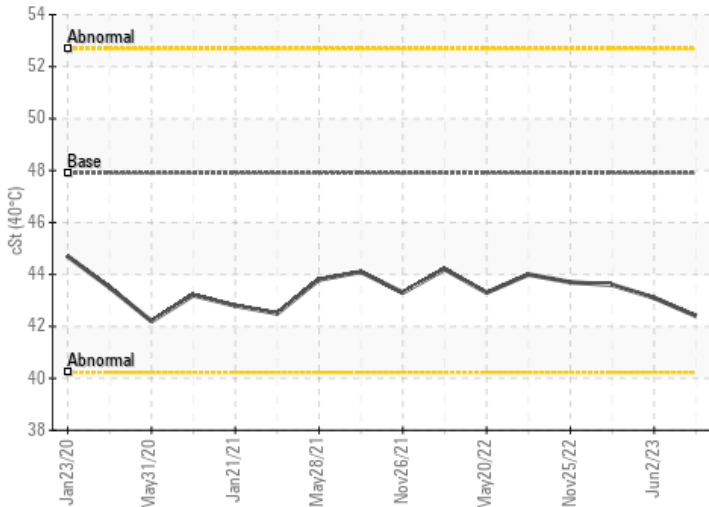
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

