

# 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	LH	LH0246554	LH0224104
Sample Date	08 Dec 2023	15 Sep 2023	02 Jun 2023	03 Mar 2023
Machine Hours	15500	15032	14035	13047
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

NEXOLIA, CHAPAIS ENERGIE SEC

140 RUE DE LA CONGENERATION

CHAPAIS, QC

CA G0W 1H0

Contact: Carl Adams



#### OIL CONDITION

Visc @ 40°C	cSt	44.0	42.4	43.1	43.6

T: (418)745-2521

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#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		5192	2205	37336	7195
Particles >6µm		1050	585	10369	894
Particles >14µm		70	49	496	94
ISO 4406:1999 (c)		20/17/13	18/16/13	22/21/16	20/17/14
Silicon	ppm	<1	1	1	<1
Sodium	ppm	<1	<1	1	<1
Potassium	ppm	0	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	6	9	8	6
Copper	ppm	1	2	2	2
Lead	ppm	<1	1	<1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	4	7	7	6
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	0	<1	0
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	125	130	137	175
Magnesium	ppm	<1	1	1	2
Zinc	ppm	840	840	814	810
Phosphorus	ppm	644	678	680	693
Barium	ppm	<1	0	0	0
Boron	ppm	<1	<1	<1	<1

Depot: CHA140CHA

Unique No: 5695948

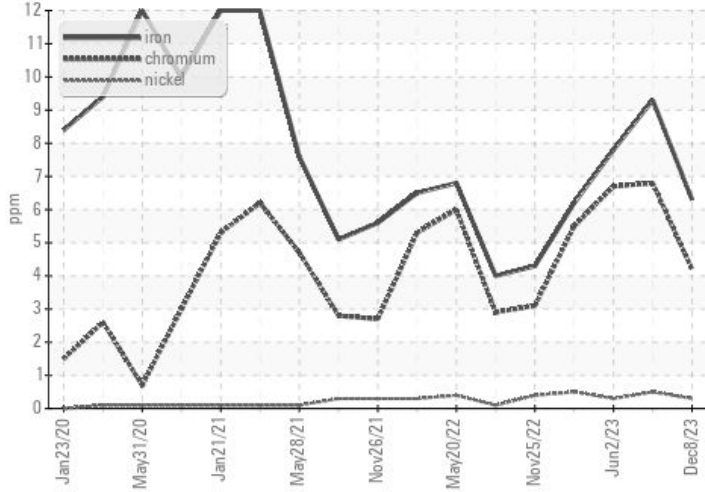
Signed: Wes Davis

Report Date: 14 Dec 2023

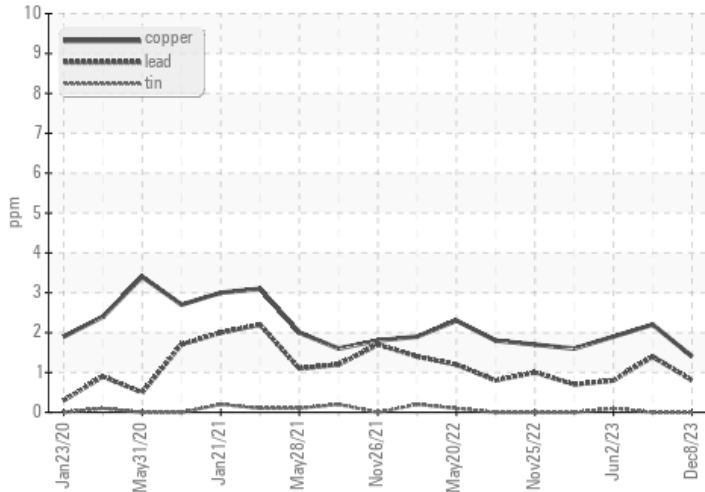


### GRAPHS

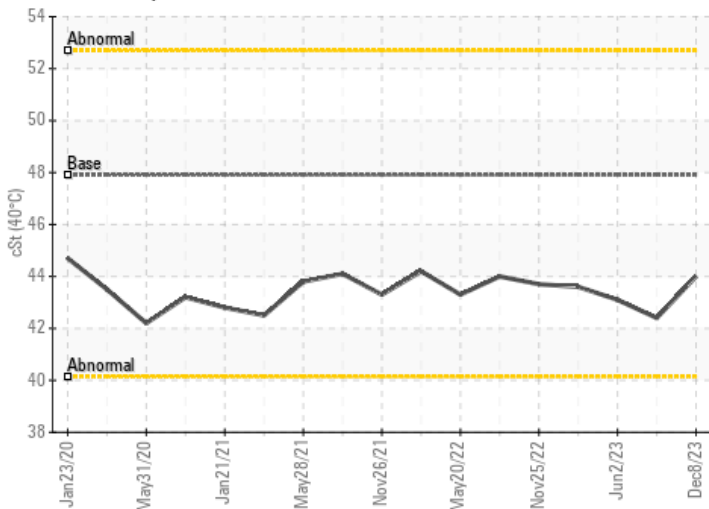
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

