

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L580 051594-1464 - Hydraulic System

Sample No: LH0274170

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



#### SAMPLE INFORMATION

Sample Number	LH0274170	LH0256341	LH0242243	LH0242116
Sample Date	19 Oct 2023	23 May 2023	15 Mar 2023	12 Jan 2023
Machine Hours	24000	22038	20934	20000
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	N/A
Sample Status	NORMAL	ABNORMAL	NORMAL	ATTENTION

#### Resolute Forest Products

1, chemin de la Scierie, Case postale 2250  
Baie-Comeau, QC  
CA G5C 2S8  
Contact: Paul Breton  
paul.breton@liebherr.com  
T:  
F: (418)960-2788



#### OIL CONDITION

Visc @ 40°C	cSt	44.4	43.0	43.8	43.1



#### CONTAMINATION

Particles >4µm		3759	60844	18612	26557
Particles >6µm		297	19573	703	357
Particles >14µm		25	1071	20	21
ISO 4406:1999 (c)		19/15/12	23/21/17	21/17/11	22/16/12
Silicon	ppm	2	5	3	6
Sodium	ppm	<1	<1	1	<1
Potassium	ppm	0	<1	1	2



#### WEAR METALS

Iron	ppm	4	10	8	12
Copper	ppm	1	2	1	2
Lead	ppm	1	1	1	2
Tin	ppm	0	<1	<1	0
Aluminum	ppm	<1	2	2	3
Chromium	ppm	1	9	10	10
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	95	104	96	94
Magnesium	ppm	<1	1	1	1
Zinc	ppm	828	871	802	796
Phosphorus	ppm	629	746	689	707
Barium	ppm	<1	0	0	0
Boron	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.

Depot: RESBAI  
Unique No: 5672120  
Signed: Wes Davis  
Report Date: 09 Nov 2023

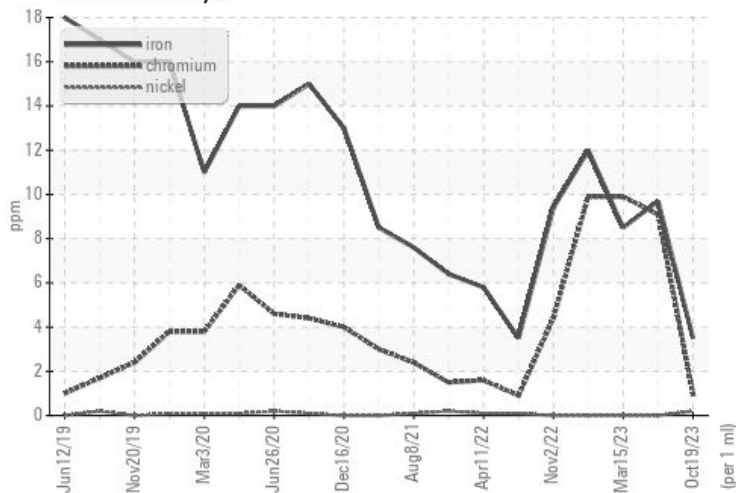
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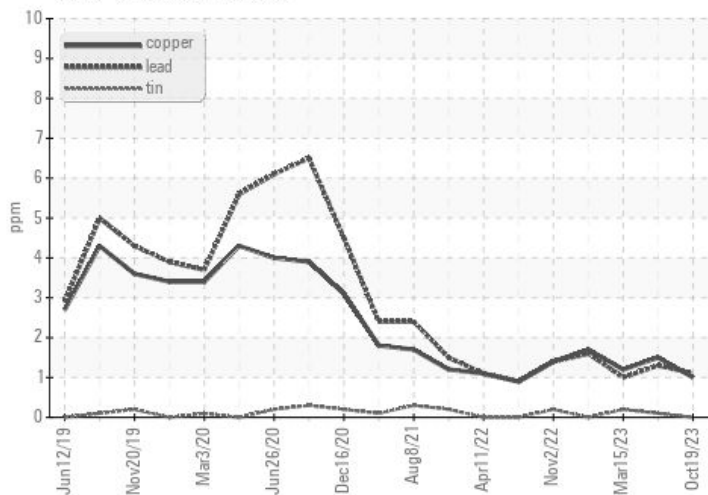


### GRAPHS

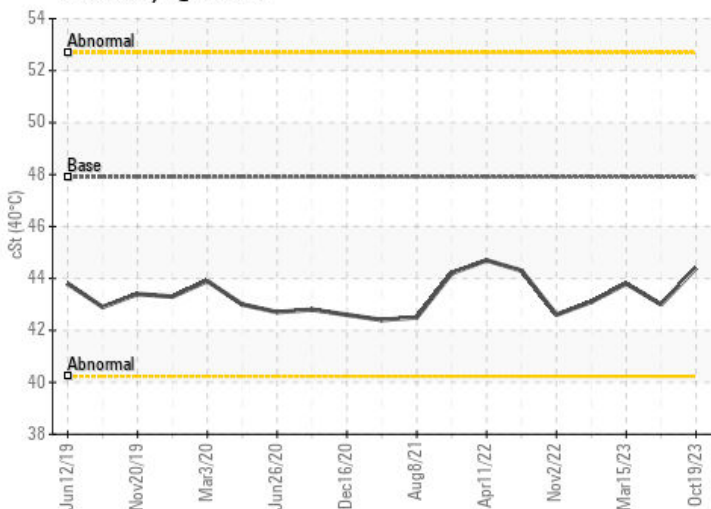
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

