

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L556 053290-1332 - Hydraulic System

Sample No: LH0274157

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



#### SAMPLE INFORMATION

Sample Number	LH0274157	LH0274172	LH0256269	LH0242143
Sample Date	21 Nov 2023	11 Oct 2023	24 May 2023	10 Feb 2023
Machine Hours	18029	17000	14888	14000
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

#### Resolute Forest Products

1, chemin de la Scierie, Case postale 2250  
Baie-Comeau, QC  
CA G5C 2S8  
Contact: Paul Breton  
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#### OIL CONDITION

Visc @ 40°C	cSt	43.1	43.7	43.1	40.7



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		282	8245	2371	4842
Particles >6µm		69	1545	151	157
Particles >14µm		5	51	18	12
ISO 4406:1999 (c)		15/13/10	20/18/13	18/14/11	19/14/11
Silicon	ppm	2	1	2	1
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	0	0	0	<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	7	7	10	9
Copper	ppm	2	2	3	2
Lead	ppm	2	2	2	2
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	<1	1	<1
Chromium	ppm	5	3	7	5
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	<1	0
Silver	ppm	<1	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	269	271	275	277
Magnesium	ppm	1	<1	1	2
Zinc	ppm	826	807	841	804
Phosphorus	ppm	653	626	732	692
Barium	ppm	<1	<1	0	0
Boron	ppm	<1	<1	<1	<1

Depot: RESBAI  
Unique No: 5695401  
Signed: Wes Davis  
Report Date: 12 Dec 2023

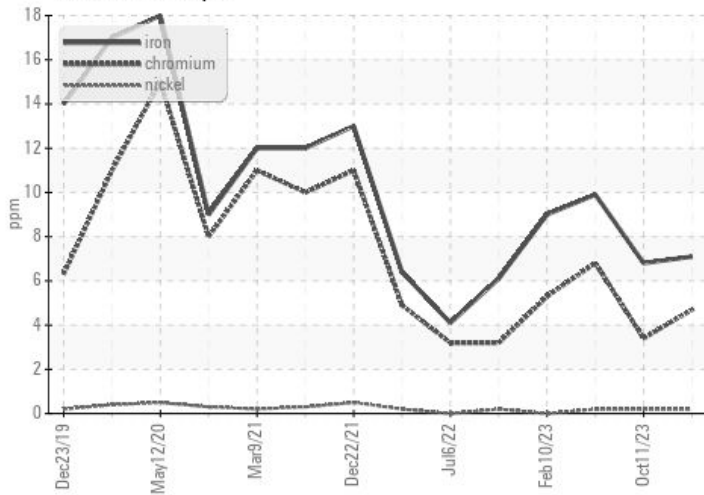
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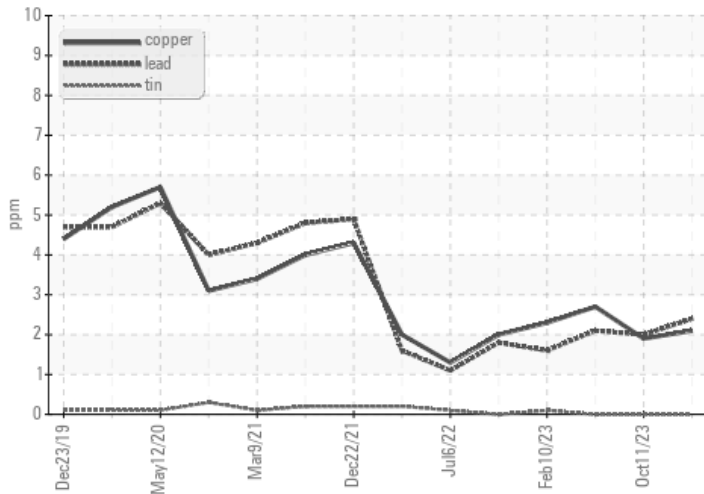


### GRAPHS

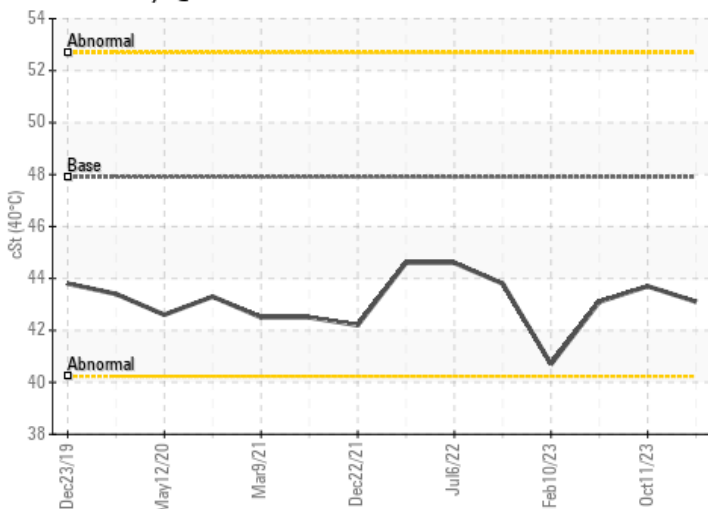
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

