

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 11552-1216 - Front Differential

Sample No: LH0274141

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0274141	LH0256473	LH0242185	LH0242190
Sample Date	27 Sep 2023	18 Jun 2023	20 Dec 2022	18 Oct 2022
Machine Hours	18934	18000	17000	14900
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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T:  
F: (418)960-2788



#### OIL CONDITION

Visc @ 40°C	cSt	182	179	194	194
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#### CONTAMINATION

Silicon	ppm	<1	<1	0	<1
Sodium	ppm	1	1	3	3
Potassium	ppm	0	<1	0	0



#### WEAR METALS

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



#### ADDITIVES

Calcium	ppm	12	8	3	4
Magnesium	ppm	<1	<1	0	<1
Zinc	ppm	3	4	4	4
Phosphorus	ppm	2337	2401	2381	2419
Barium	ppm	<1	0	0	0
Boron	ppm	<1	<1	0	2

#### Diagnosis

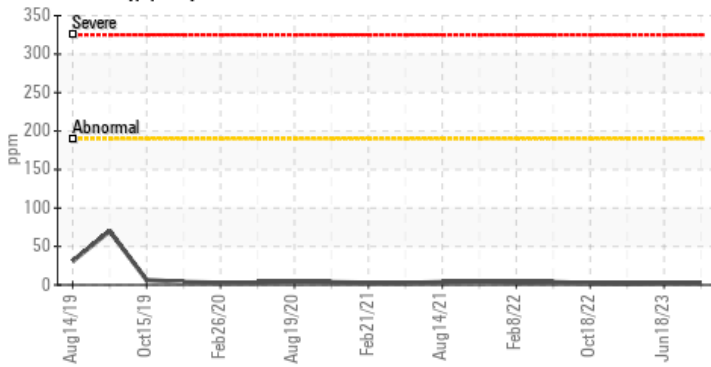
Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.

Depot: RESBAI  
Unique No: 5672187  
Signed: Wes Davis  
Report Date: 08 Nov 2023

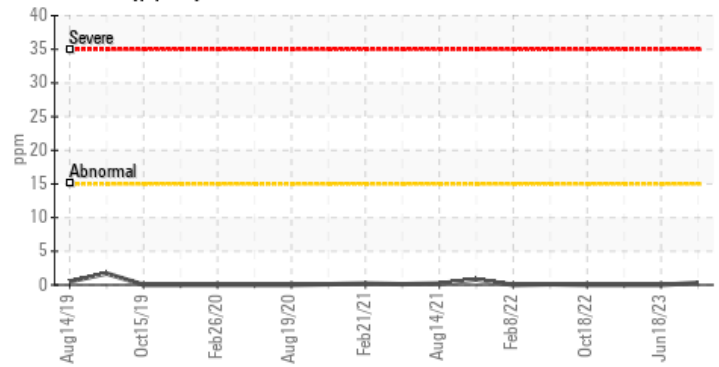


### GRAPHS

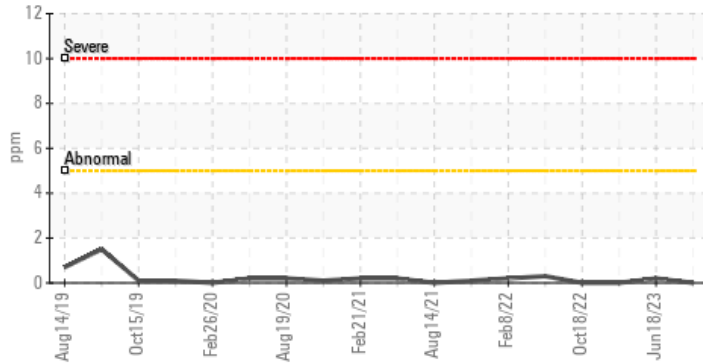
Iron (ppm)



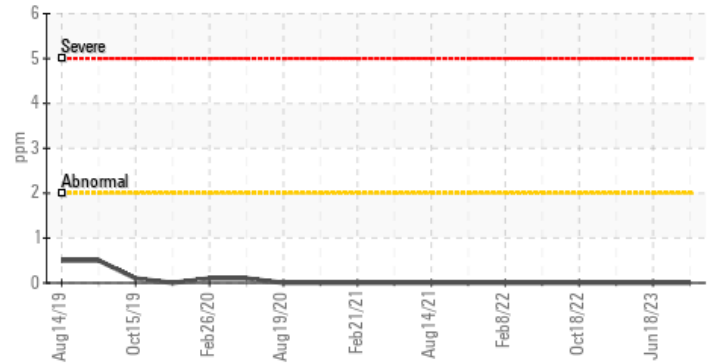
Lead (ppm)



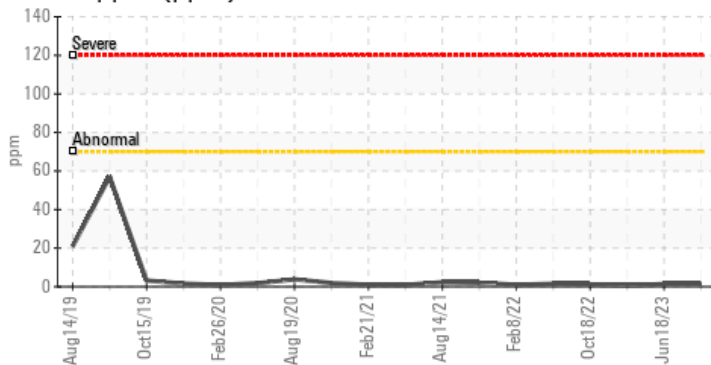
Aluminum (ppm)



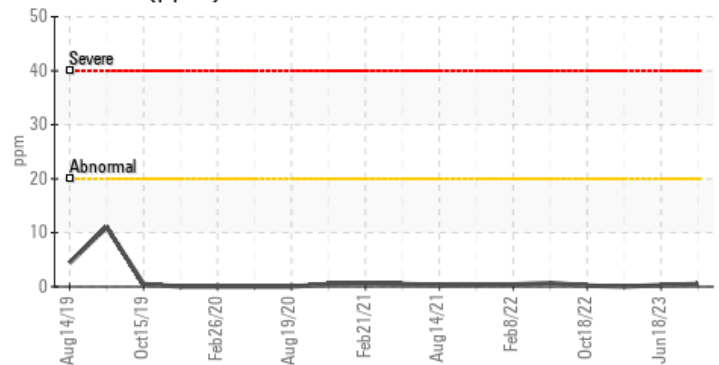
Chromium (ppm)



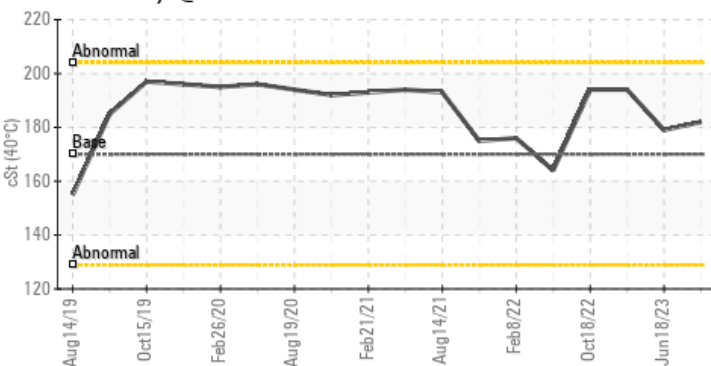
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

