

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 112210-1216 - Front Left Wheel Hub

Sample No: LH0274084

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0274084	LH0256258	LH0242207	LH0242154
Sample Date	02 Nov 2023	08 May 2023	07 Mar 2023	04 Jan 2023
Machine Hours	21000	18945	18000	17110
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	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  
paul.breton@liebherr.com  
T:  
F: (418)960-2788



#### OIL CONDITION

Visc @ 40°C	cSt	175	162	159	169
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#### CONTAMINATION

Silicon	ppm	14	11	4	4
Sodium	ppm	8	6	6	7
Potassium	ppm	<1	<1	1	2



#### WEAR METALS

Iron	ppm	180	194	73	76
Copper	ppm	29	33	22	37
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	2	1	2
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	3	4	2	3
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	15	31	50	51
Magnesium	ppm	<1	<1	<1	<1
Zinc	ppm	53	81	81	38
Phosphorus	ppm	2241	2310	2198	2136
Barium	ppm	0	0	0	0
Boron	ppm	1	1	1	2

#### Diagnosis

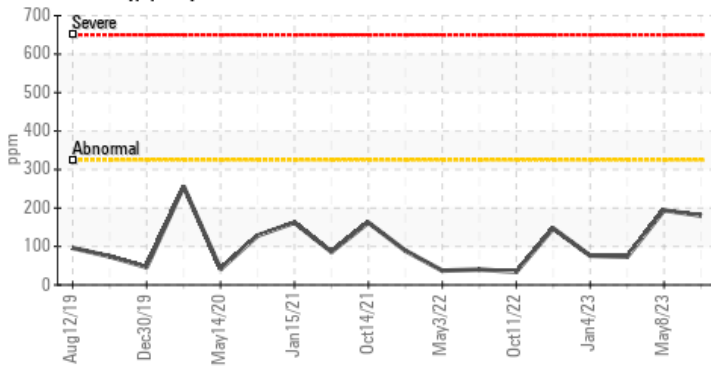
Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.

Depot: RESBAI  
Unique No: 5672177  
Signed: Wes Davis  
Report Date: 08 Nov 2023

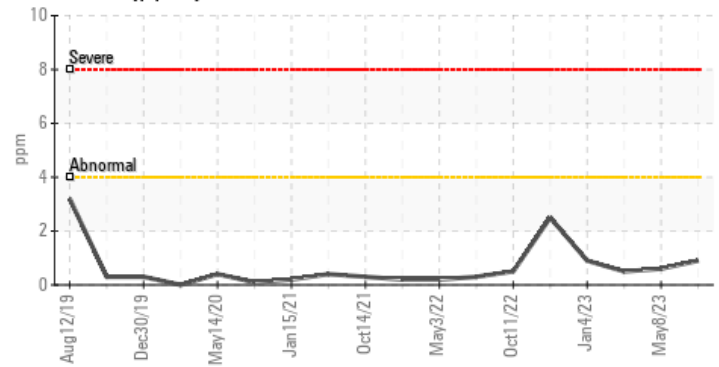


### GRAPHS

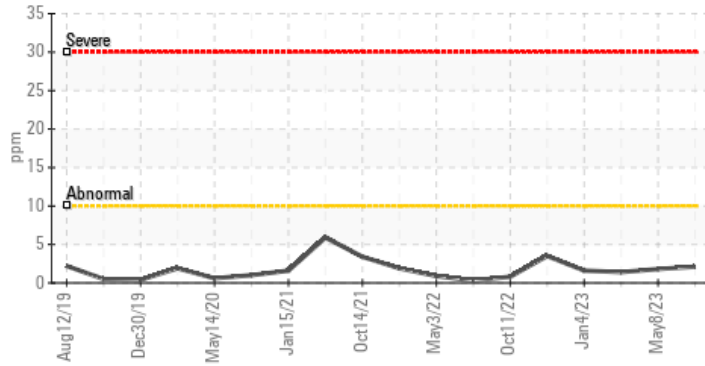
Iron (ppm)



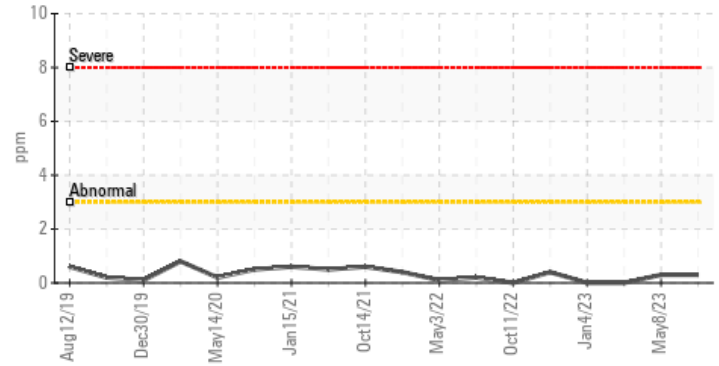
Lead (ppm)



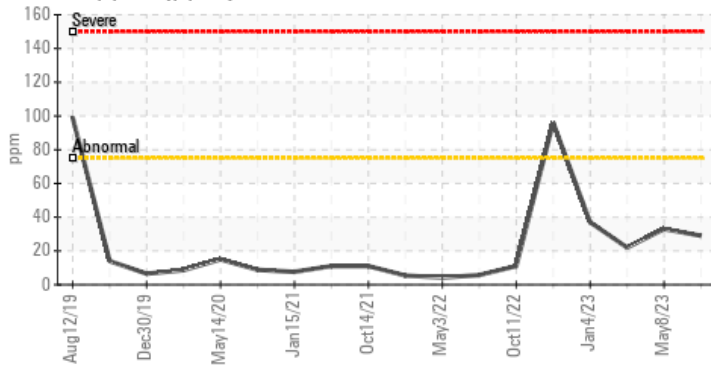
Aluminum (ppm)



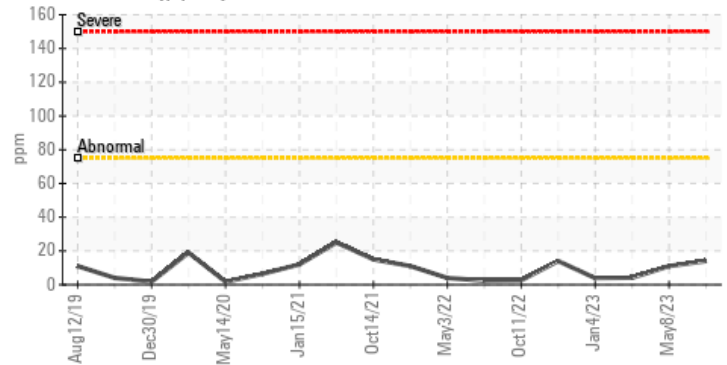
Chromium (ppm)



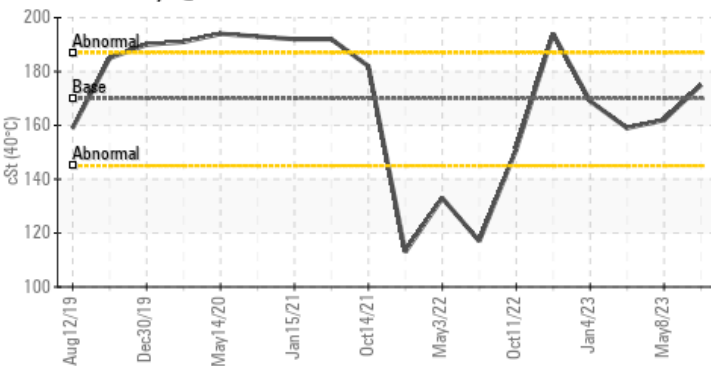
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

