

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 11552-1216 - Rear Differential

Sample No: LH0256474

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0256474	LH0256472	LH0242186	LH0242196
Sample Date	18 Jun 2023	18 Jun 2023	20 Dec 2022	18 Oct 2022
Machine Hours	18000	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
paul.breton@liebherr.com
T:
F: (418)960-2788



OIL CONDITION

Visc @ 40°C	cSt	178	178	194	193
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CONTAMINATION

Element	ppm	<1	<1	<1	<1
Silicon	ppm	<1	<1	<1	<1
Sodium	ppm	2	2	3	3
Potassium	ppm	<1	<1	0	0



WEAR METALS

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



ADDITIVES

Element	ppm	7	8	4	4
Calcium	ppm	7	8	4	4
Magnesium	ppm	<1	<1	0	0
Zinc	ppm	6	6	5	6
Phosphorus	ppm	2388	2489	2370	2377
Barium	ppm	0	0	0	0
Boron	ppm	<1	1	<1	2

Diagnosis

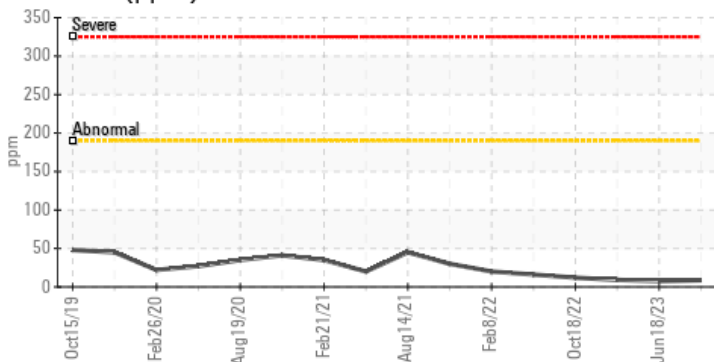
Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.

Depot: RESBAI
Unique No: 5644366
Signed: Wes Davis
Report Date: 18 Sep 2023

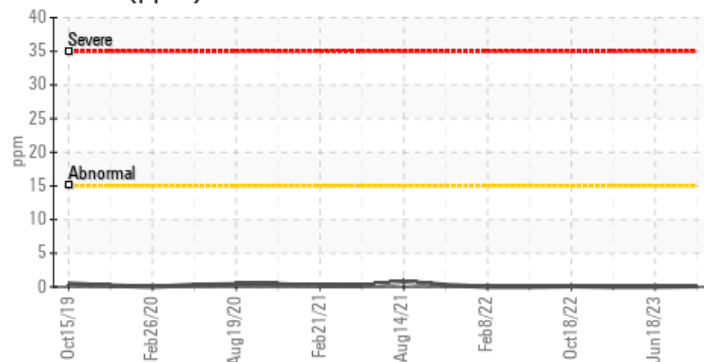


GRAPHS

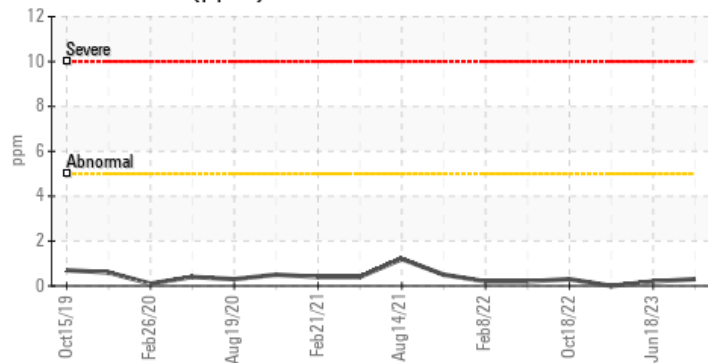
Iron (ppm)



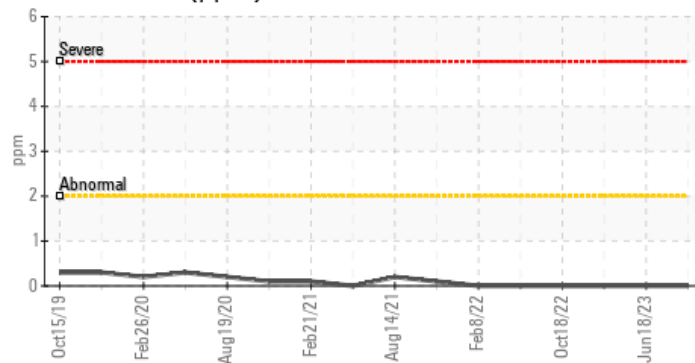
Lead (ppm)



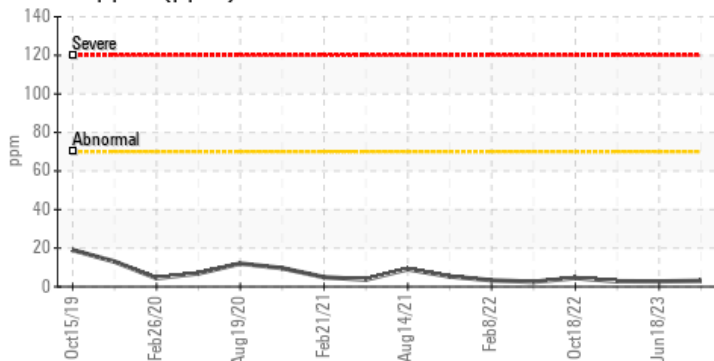
Aluminum (ppm)



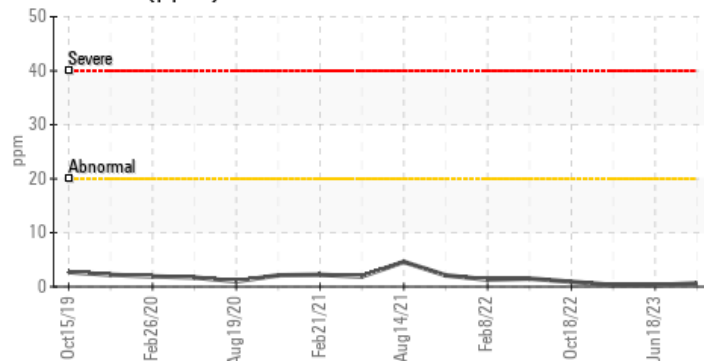
Chromium (ppm)



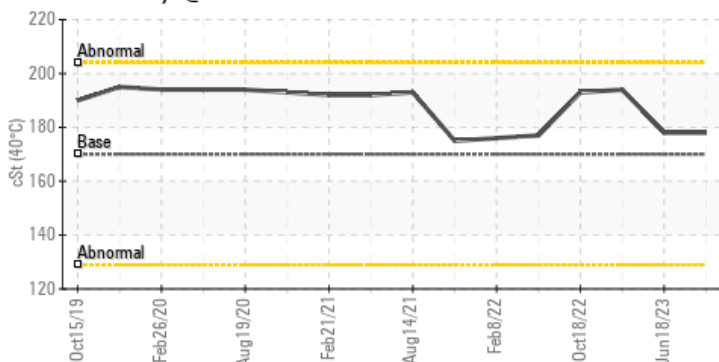
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

