

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 124712-1216 - Front Differential

Sample No: LH0277310

Oil Type: GEAR OIL SAE 80W90



SCIERIE DION & FILS INC
 147 RUE ST-ALEXIS
 ST.RAYMOND, QC
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SAMPLE INFORMATION

Sample Number	LH0277310	LH0277344	LH0265505	LH0243032
Sample Date	16 Jan 2024	17 Oct 2023	07 Jun 2023	09 Dec 2022
Machine Hours	12176	11300	10063	8175
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	184	184	193	184



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	<1	<1	3
Sodium	ppm	1	1	<1	3
Potassium	ppm	<1	0	<1	<1



WEAR METALS

Iron	ppm	3	2	2	48
Copper	ppm	2	2	1	5
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	4	4	<1	7
Magnesium	ppm	<1	0	<1	2
Zinc	ppm	4	4	3	11
Phosphorus	ppm	2280	2339	2470	2400
Barium	ppm	<1	<1	0	0
Boron	ppm	0	<1	1	1

Diagnosis

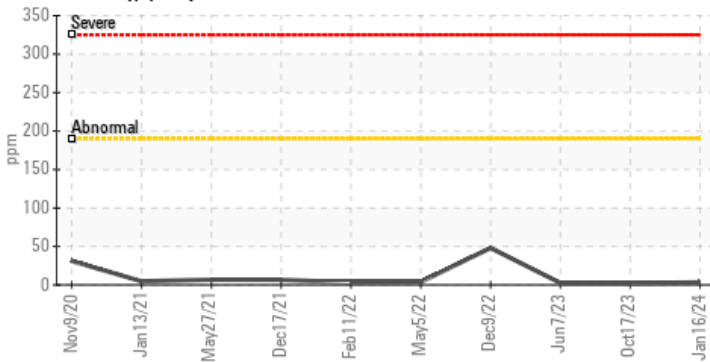
Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.

Depot: SCISTR
 Unique No: 5710833
 Signed: Wes Davis
 Report Date: 18 Jan 2024

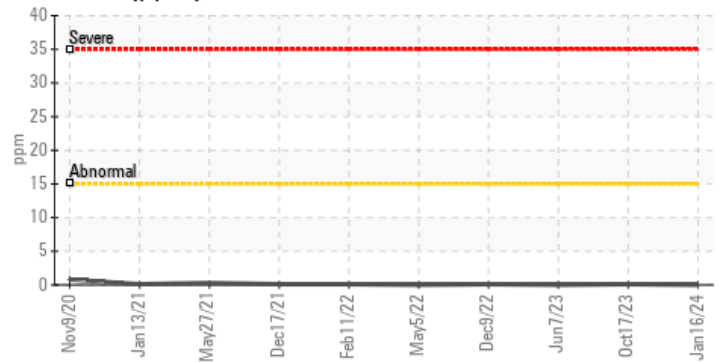


GRAPHS

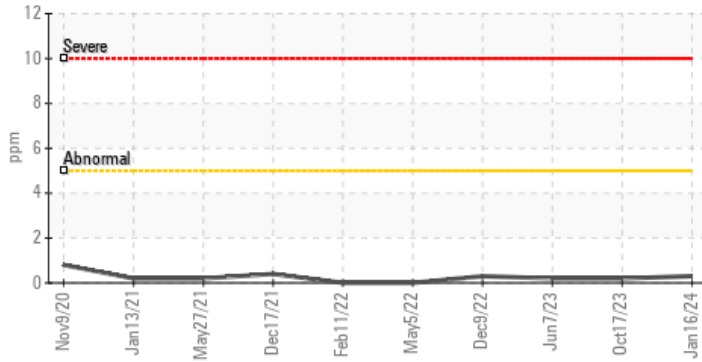
Iron (ppm)



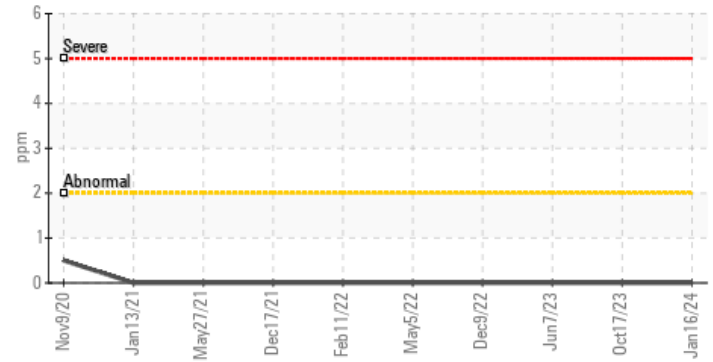
Lead (ppm)



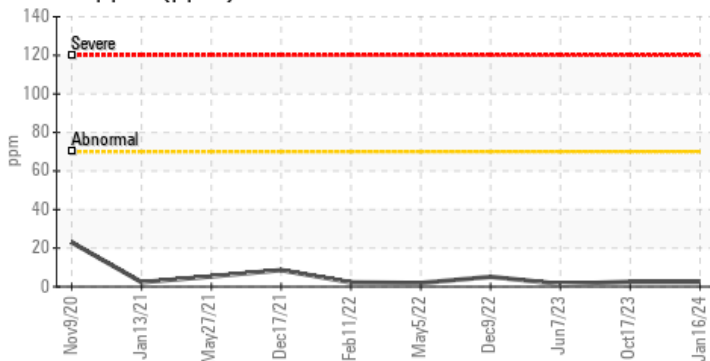
Aluminum (ppm)



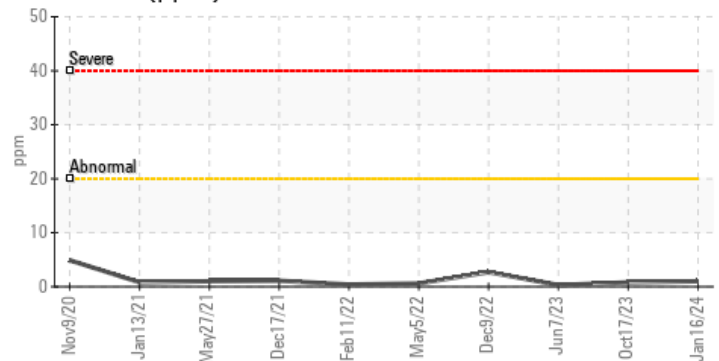
Chromium (ppm)



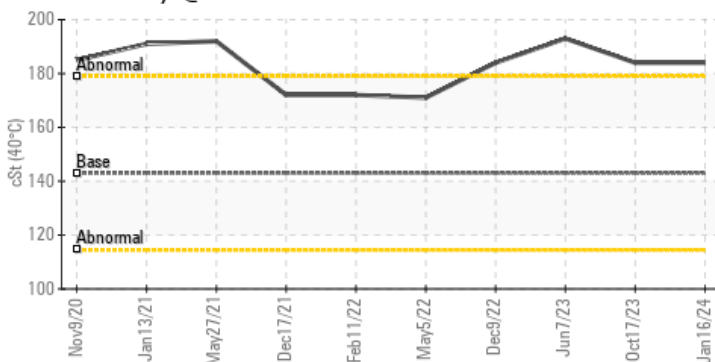
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

