

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 124712-1216 - Rear Differential

Sample No: LH0277307

Oil Type: GEAR OIL SAE 80W90



**SCIERIE DION & FILS INC**

147 RUE ST-ALEXIS

ST.RAYMOND, QC

CA G3L 1S1

Contact: Marc Lamarre

mlamarre@scieriedion.com

T: (418)337-2265

F: (418)337-4142



#### SAMPLE INFORMATION

Sample Number	LH0277307	LH0277343	LH0265504	LH0243031
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	194	191	188	184



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	1	3
Sodium	ppm	<1	2	1	3
Potassium	ppm	1	0	<1	0



#### WEAR METALS

Iron	ppm	19	16	17	47
Copper	ppm	<1	2	1	5
Lead	ppm	0	0	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	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	6	5	0	7
Magnesium	ppm	<1	2	0	2
Zinc	ppm	4	6	3	11
Phosphorus	ppm	2214	2300	2483	2384
Barium	ppm	0	<1	0	0
Boron	ppm	<1	3	<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: 5710836

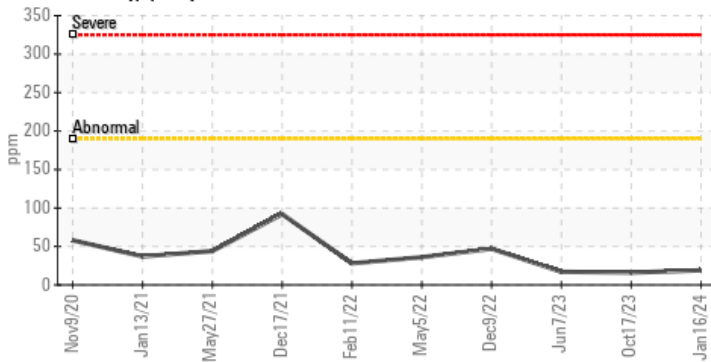
Signed: Wes Davis

Report Date: 18 Jan 2024

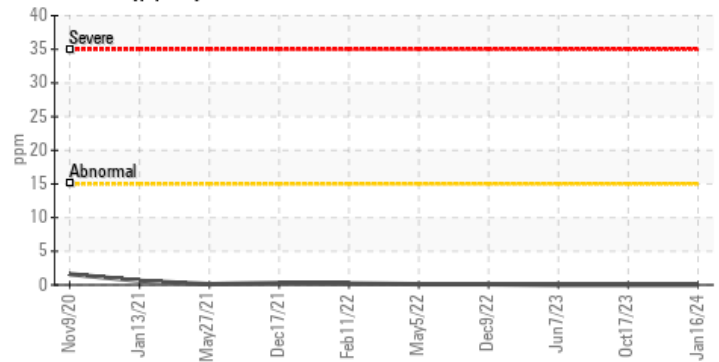


### GRAPHS

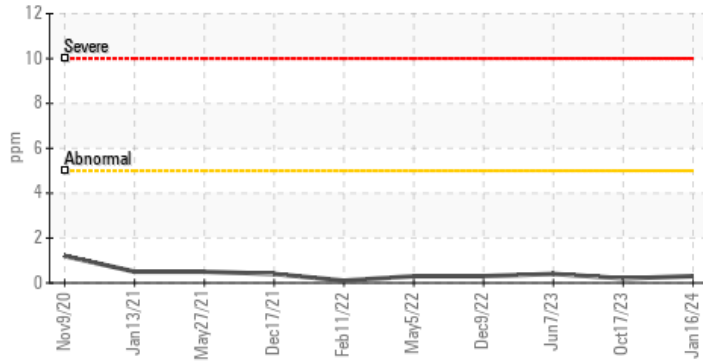
#### Iron (ppm)



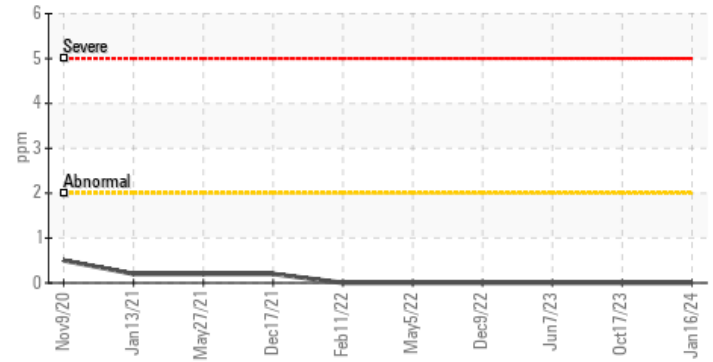
#### Lead (ppm)



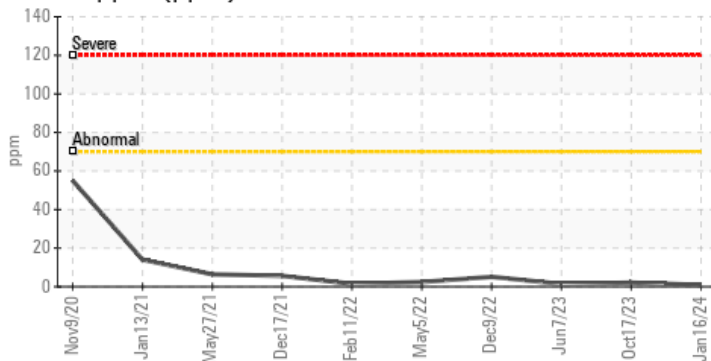
#### Aluminum (ppm)



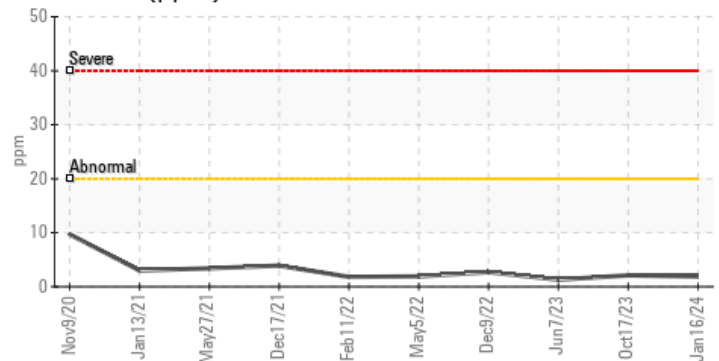
#### Chromium (ppm)



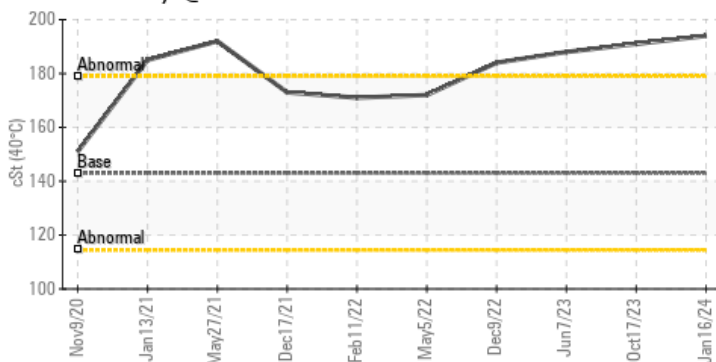
#### Copper (ppm)



#### Silicon (ppm)



#### Viscosity @ 40°C



#### Additives

