



# LIEBHERR

## OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Machine Id  
**28550**  
Component  
**Front Differential**  
Fluid  
**SAE 75W90 (--- GAL)**

### RECOMMENDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH0289850</b>	LH0227198	---
Sample Date		Client Info		<b>10 May 2024</b>	04 Apr 2022	---
Machine Age	hrs	Client Info		<b>8963</b>	8200	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

Les taux d'usure de tous les composants sont normaux.

Iron	ppm	ASTM D5185(m)	>1250	<b>40</b>	62	---
Chromium	ppm	ASTM D5185(m)	>6	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>35	<b>&lt;1</b>	1	---
Lead	ppm	ASTM D5185(m)	>4	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m)	>30	<b>1</b>	2	---
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

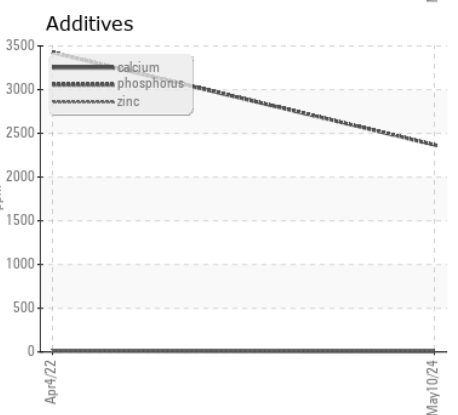
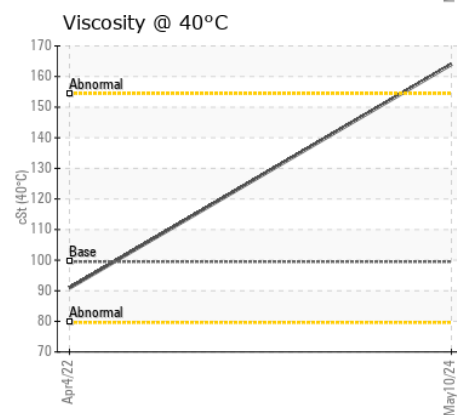
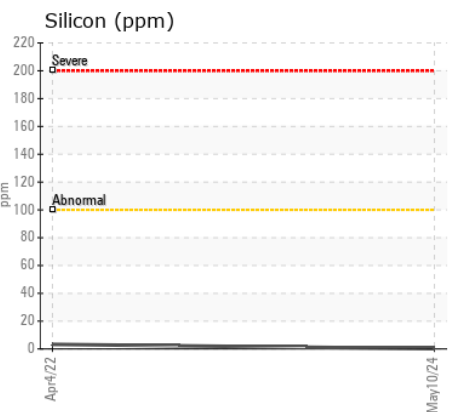
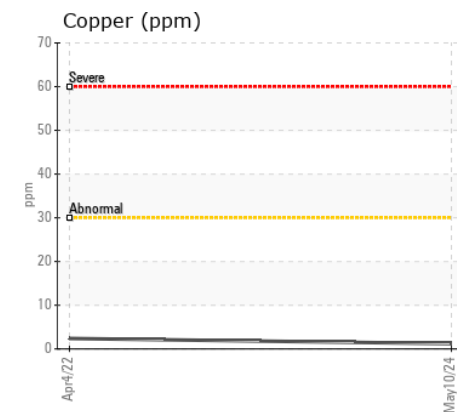
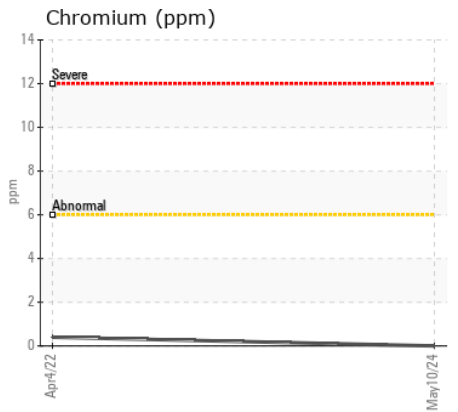
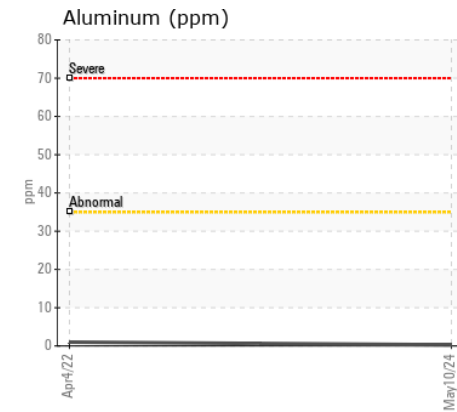
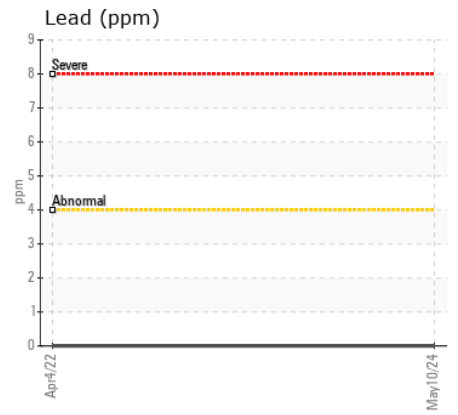
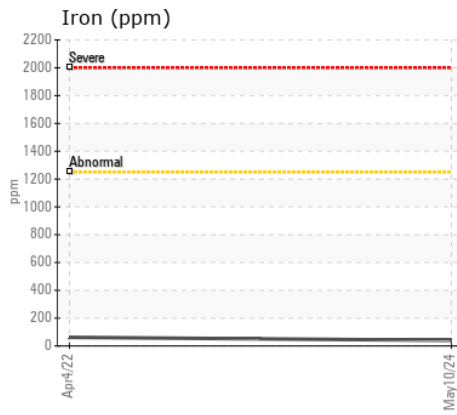
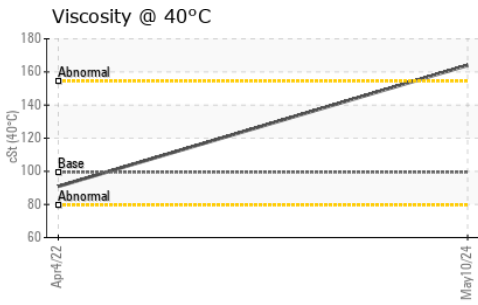
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>100	<b>&lt;1</b>	3	---
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	---
Water		WC Method	>.2	<b>NEG</b>	NEG	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>.2	<b>NEG</b>	NEG	---

### FLUID CONDITION

L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		<b>2</b>	<1	---
Boron	ppm	ASTM D5185(m)	150	<b>41</b>	304	---
Barium	ppm	ASTM D5185(m)	5	<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	0	<b>12</b>	27	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	1	---
Calcium	ppm	ASTM D5185(m)	20	<b>7</b>	13	---
Phosphorus	ppm	ASTM D5185(m)	1200	<b>2368</b>	3426	---
Zinc	ppm	ASTM D5185(m)	25	<b>22</b>	20	---
Sulfur	ppm	ASTM D5185(m)	22000	<b>31061</b>	20273	---
Visc @ 40°C	cSt	ASTM D7279(m)	99.5	<b>164</b>	90.9	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0289850 **Received** : 13 May 2024  
**Lab Number** : 02635027 **Tested** : 13 May 2024  
**Unique Number** : 5776180 **Diagnosed** : 13 May 2024 - Wes Davis  
**Test Package** : MOB 1

**American Iron and Metal**  
 200 rue Nadon  
 Amos, QC  
 CA J9T 3A1  
 Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

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F: