



# OIL ANALYSIS REPORT

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

Machine Id  
**931040**  
 Component  
**Diesel Engine**  
 Fluid  
**DIESEL ENGINE OIL SAE 15W40 (--- LTR)**

## 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>PC</b>	CU0021574	---
Sample Date		Client Info		<b>08 May 2024</b>	17 Jan 2024	---
Machine Age	kms	Client Info		<b>0</b>	81717	---
Oil Age	kms	Client Info		<b>0</b>	0	---
Filter Age	kms	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

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

Iron	ppm	ASTM D5185(m)	>90	<b>12</b>	62	---
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	4	---
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	2	---
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>13</b>	47	---
Lead	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	21	---
Copper	ppm	ASTM D5185(m)	>330	<b>1</b>	7	---
Tin	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	3	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---

## CONTAMINATION

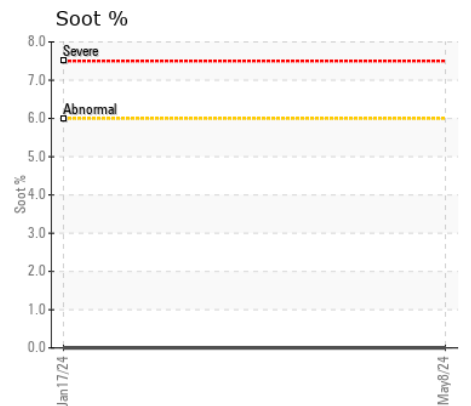
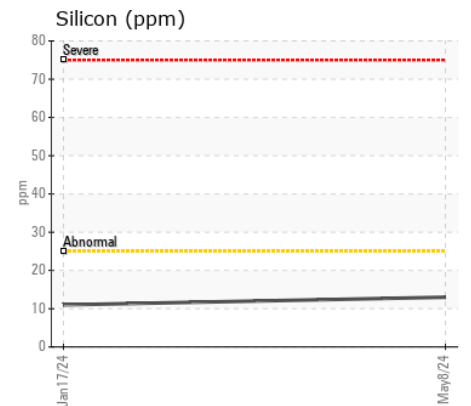
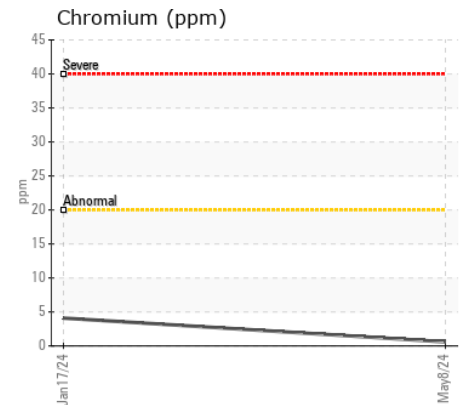
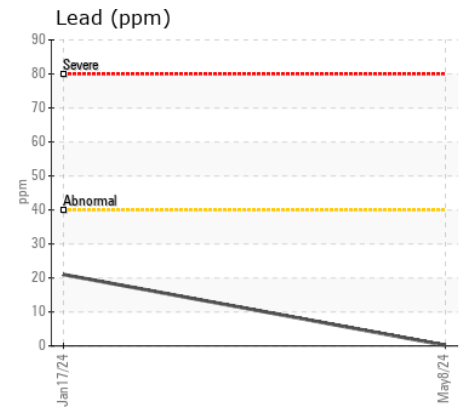
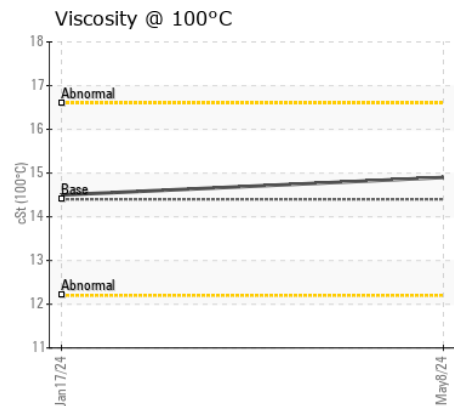
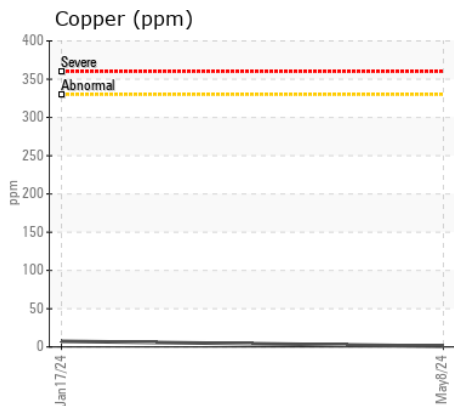
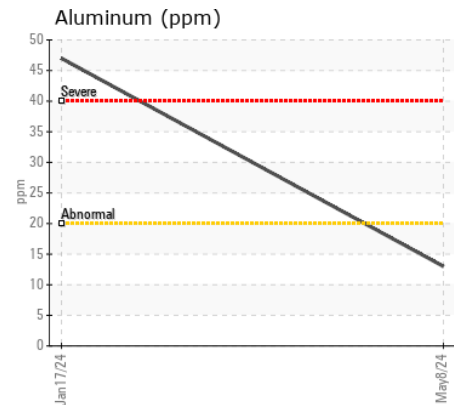
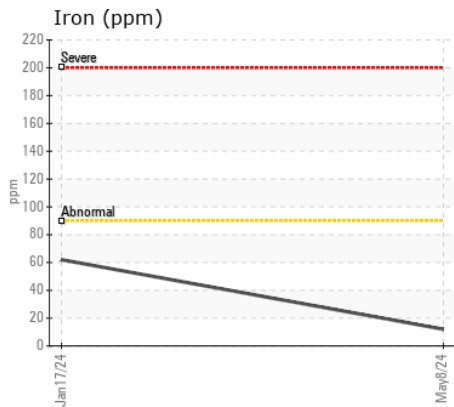
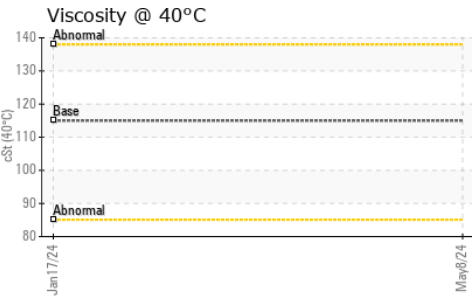
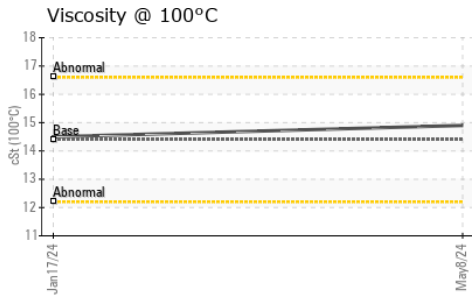
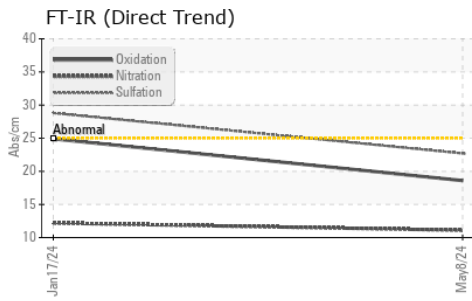
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	<b>13</b>	11	---
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	11	---
Fuel		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	0.0	---
Soot %	%	ASTM D7844*	>6	<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>11.1</b>	12.2	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>22.7</b>	28.8	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>158	<b>2</b>	14	---
Boron	ppm	ASTM D5185(m)	250	<b>6</b>	4	---
Barium	ppm	ASTM D5185(m)	10	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	100	<b>53</b>	63	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	---
Magnesium	ppm	ASTM D5185(m)	450	<b>567</b>	674	---
Calcium	ppm	ASTM D5185(m)	3000	<b>1598</b>	1789	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>644</b>	843	---
Zinc	ppm	ASTM D5185(m)	1350	<b>856</b>	1025	---
Sulfur	ppm	ASTM D5185(m)	4250	<b>1916</b>	2154	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>18.6</b>	24.9	---
Visc @ 40°C	cSt	ASTM D7279(m)	115	<b>118</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	<b>14.9</b>	14.5	---
Viscosity Index (VI)	Scale	ASTM D2270*	126	<b>129</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC  
**Lab Number** : 02634268  
**Unique Number** : 5775421  
**Test Package** : MOB 1 ( Additional Tests: KV40, VI )  
**Received** : 09 May 2024  
**Tested** : 09 May 2024  
**Diagnosed** : 09 May 2024 - Wes Davis

**GFL Environmental - 742 - Quebec City Solid Waste**  
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 Quebec City, QC  
 CA G2J 1B7  
 Contact: Dave  
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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.