



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



Machine Id  
**WL0056**  
Component  
**Diesel Engine**  
Fluid  
**DIESEL ENGINE OIL SAE 10W30 (--- 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>GFL0118358</b>	GFL0118322	GFL0067515
Sample Date		Client Info		<b>10 May 2024</b>	11 Apr 2024	27 Feb 2024
Machine Age	hrs	Client Info		<b>19368</b>	19189	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL

**WEAR**

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

Iron	ppm	ASTM D5185(m)	>51	<b>19</b>	▲ 111	▲ 88
Chromium	ppm	ASTM D5185(m)	>11	<b>&lt;1</b>	2	1
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>31	<b>2</b>	6	4
Lead	ppm	ASTM D5185(m)	>26	<b>&lt;1</b>	5	3
Copper	ppm	ASTM D5185(m)	>26	<b>1</b>	8	3
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

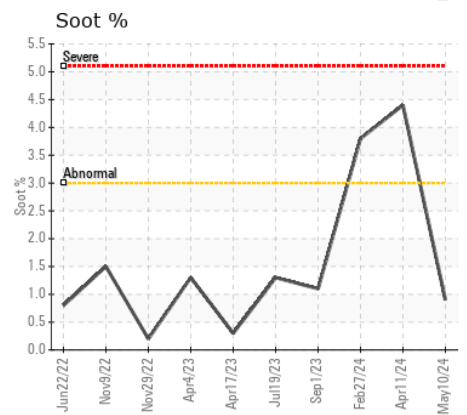
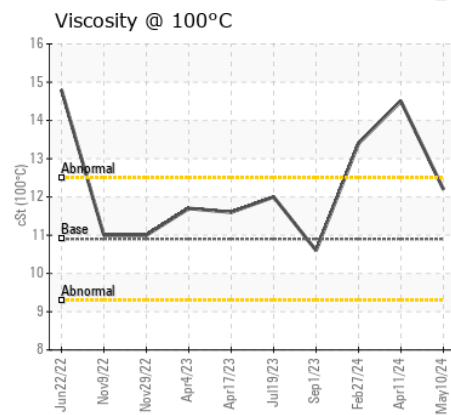
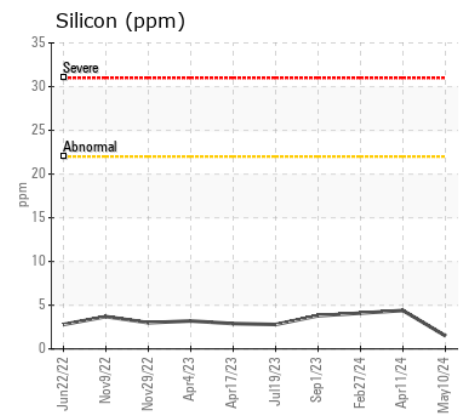
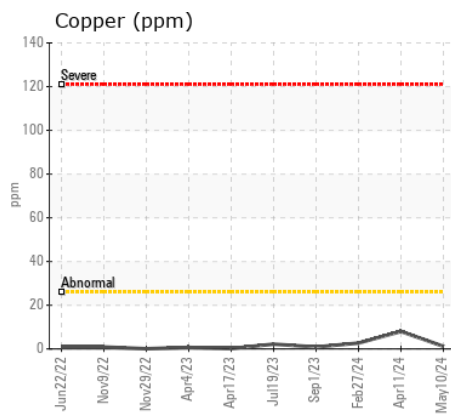
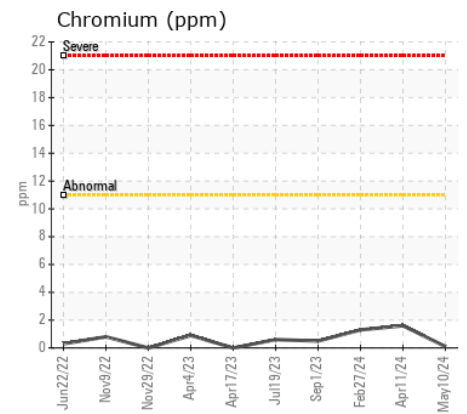
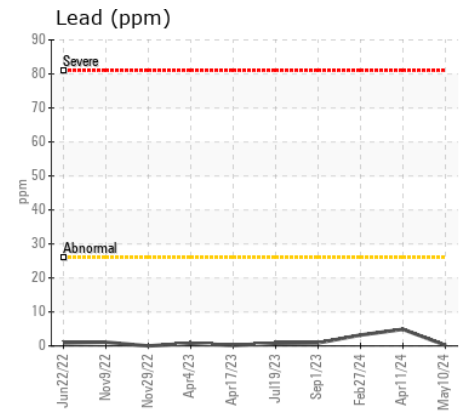
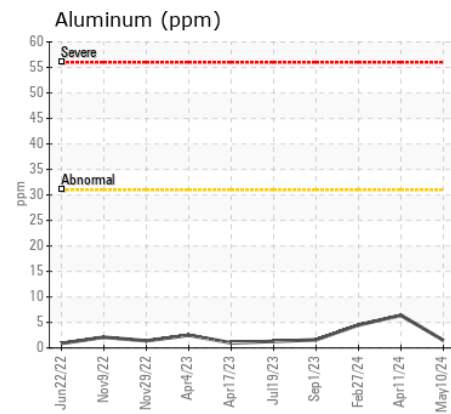
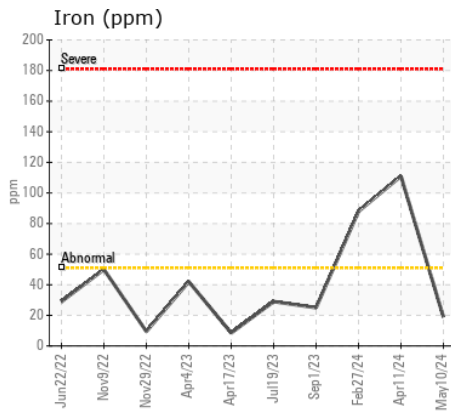
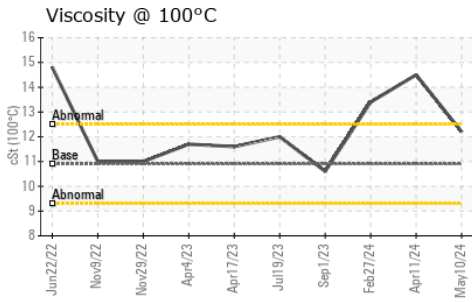
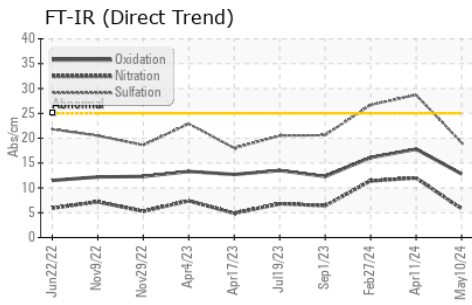
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>22	<b>2</b>	4	4
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Fuel		WC Method	>2.1	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.21	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	0.0
Soot %	%	ASTM D7844*	>3	<b>0.9</b>	▲ 4.4	▲ 3.8
Nitration	Abs/cm	ASTM D7624*	>20	<b>5.8</b>	12.0	11.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.1</b>	28.7	26.7
Emulsified Water	scalar	Visual*	>0.21	<b>NEG</b>	NEG	.2%

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)		<b>1</b>	2	2
Boron	ppm	ASTM D5185(m)	250	<b>2</b>	2	2
Barium	ppm	ASTM D5185(m)	10	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	100	<b>58</b>	61	58
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	450	<b>948</b>	986	926
Calcium	ppm	ASTM D5185(m)	3000	<b>1109</b>	1238	1214
Phosphorus	ppm	ASTM D5185(m)	1150	<b>996</b>	1010	992
Zinc	ppm	ASTM D5185(m)	1350	<b>1165</b>	1235	1195
Sulfur	ppm	ASTM D5185(m)	4250	<b>2583</b>	2343	2527
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>12.8</b>	17.8	16.1
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	<b>12.2</b>	▲ 14.5	▲ 13.4



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0118358  
**Lab Number** : 02635495  
**Unique Number** : 5776648  
**Test Package** : MOB 1

**GFL Environmental - 743 - Montreal Est CD Processing**  
 10930 rue Sherbrooke  
 Montreal, QC  
 CA H1B 1B4  
 Contact: Patrick Beaulieu  
 patrick.beaulieu@gflenv.com

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.

T:  
F: