



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



Machine Id  
**4751**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA 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>GFL0117078</b>	GFL0110466	GFL0061265
Sample Date		Client Info		<b>16 Apr 2024</b>	07 Feb 2024	17 Oct 2023
Machine Age	hrs	Client Info		<b>14746</b>	14363	13758
Oil Age	hrs	Client Info		<b>600</b>	600	600
Filter Age	hrs	Client Info		<b>600</b>	600	600
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

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

Iron	ppm	ASTM D5185(m)	>65	<b>7</b>	11	10
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>3	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>35	<b>2</b>	4	3
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	0
Copper	ppm	ASTM D5185(m)	>180	<b>1</b>	2	2
Tin	ppm	ASTM D5185(m)	>8	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

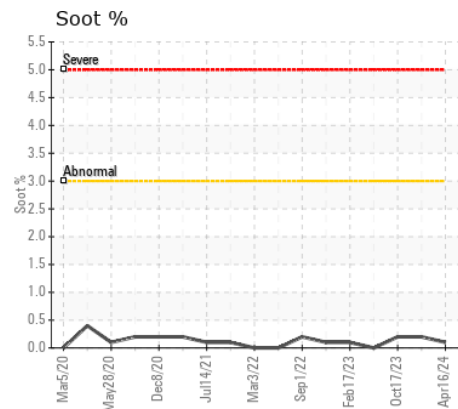
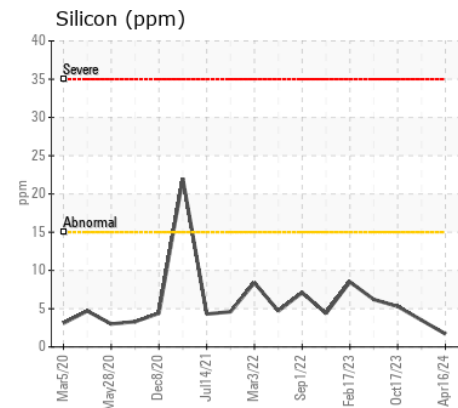
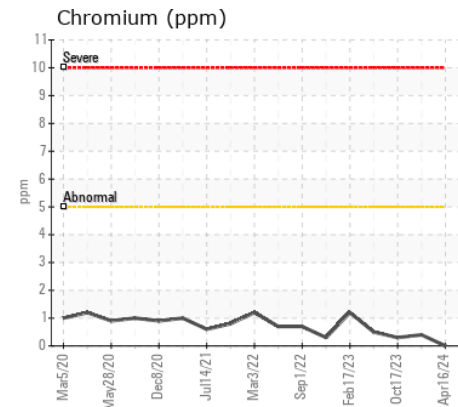
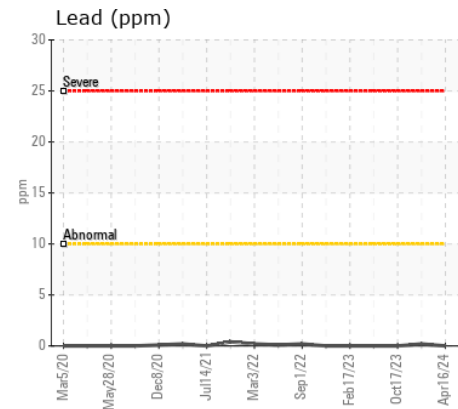
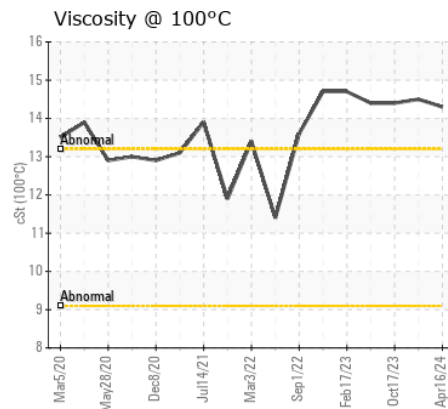
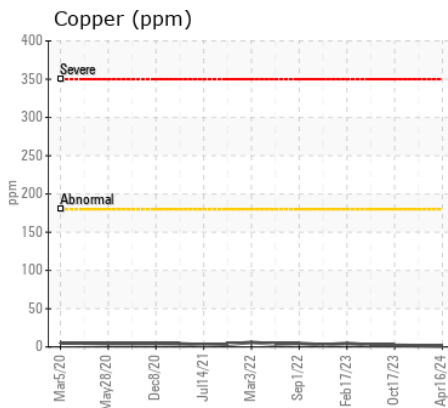
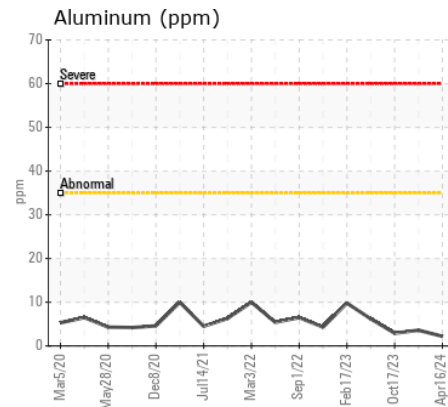
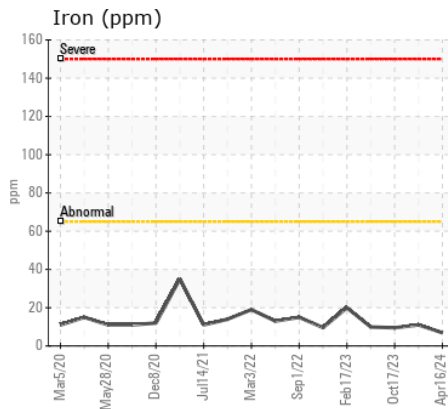
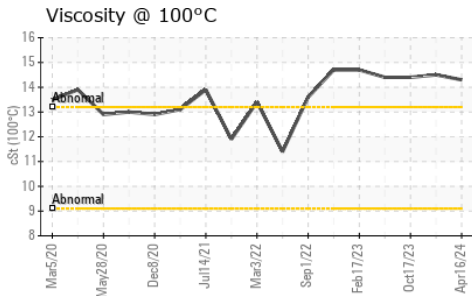
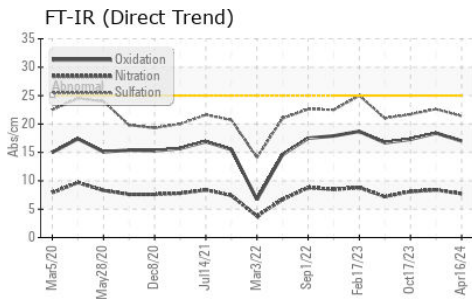
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>15	<b>2</b>	4	5
Potassium	ppm	ASTM D5185(m)	>20	<b>6</b>	7	6
Fuel		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*	>3	<b>0.1</b>	0.2	0.2
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.7</b>	8.4	8.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>21.4</b>	22.6	21.7
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)		<b>2</b>	2	2
Boron	ppm	ASTM D5185(m)		<b>107</b>	77	85
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)		<b>3</b>	5	10
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)		<b>32</b>	70	81
Calcium	ppm	ASTM D5185(m)		<b>2167</b>	2163	2117
Phosphorus	ppm	ASTM D5185(m)		<b>902</b>	935	921
Zinc	ppm	ASTM D5185(m)		<b>1118</b>	1131	1148
Sulfur	ppm	ASTM D5185(m)		<b>2746</b>	2906	2916
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>17.0</b>	18.4	17.3
Visc @ 100°C	cSt	ASTM D7279(m)		<b>14.3</b>	14.5	14.4



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0117078  
**Lab Number** : 02629857  
**Unique Number** : 5762989  
**Test Package** : MOB 1

**GFL Environmental - 732 - Beauce - Hauling - Solid Waste**  
 139, 181 Street,  
 Beauceville, QC  
 CA G5X 2S9  
 Contact: Denis Bedard

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: