



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



Machine Id  
**8397**  
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>PC0082193</b>	PC0081998	PC0077999
Sample Date		Client Info		<b>25 Mar 2024</b>	05 Mar 2024	19 Sep 2023
Machine Age	kms	Client Info		<b>14143</b>	253359	239738
Oil Age	kms	Client Info		<b>392370</b>	0	0
Filter Age	kms	Client Info		<b>392370</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	N/A	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

Iron	ppm	ASTM D5185(m)	>75	<b>14</b>	58	54
Chromium	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	2	2
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	1	<1
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185(m)	>15	<b>3</b>	12	6
Lead	ppm	ASTM D5185(m)	>25	<b>0</b>	1	<1
Copper	ppm	ASTM D5185(m)	>100	<b>1</b>	4	3
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

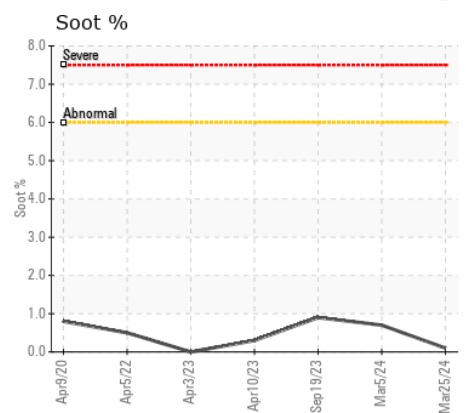
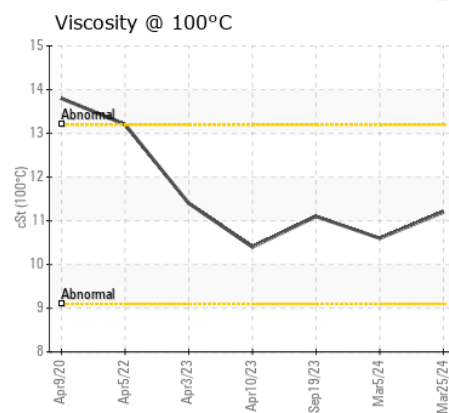
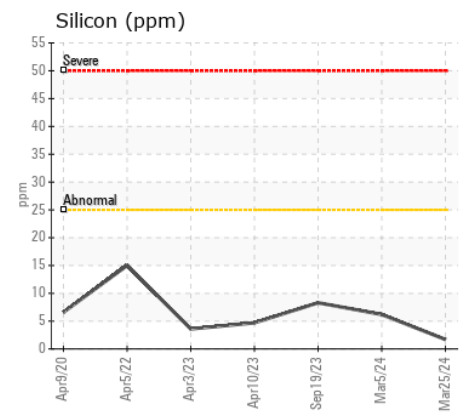
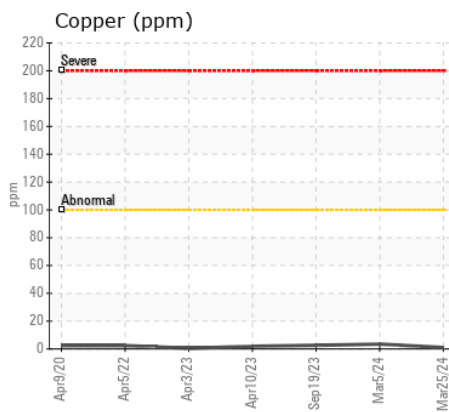
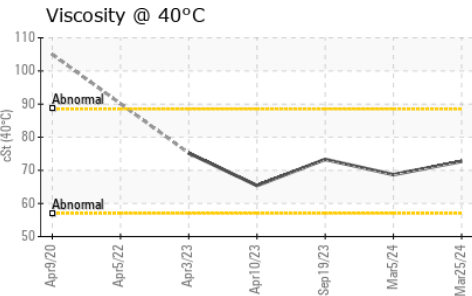
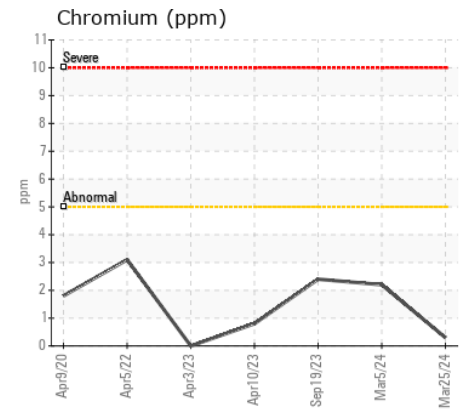
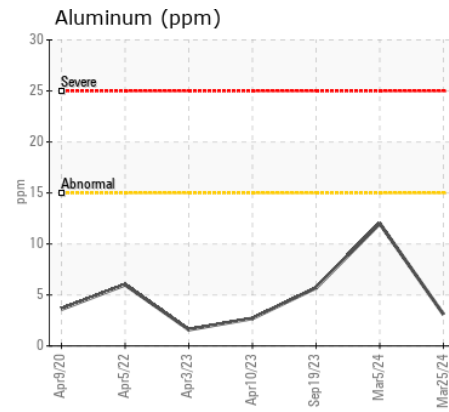
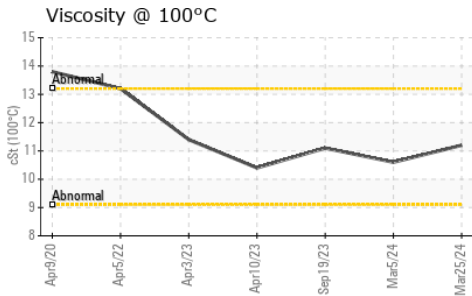
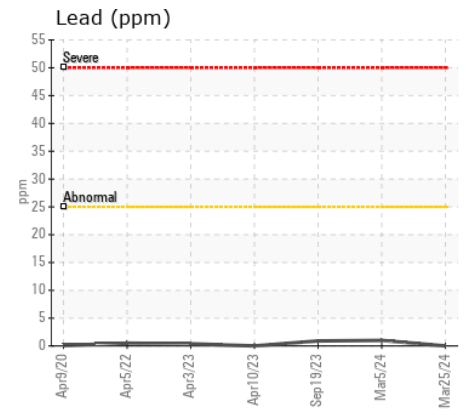
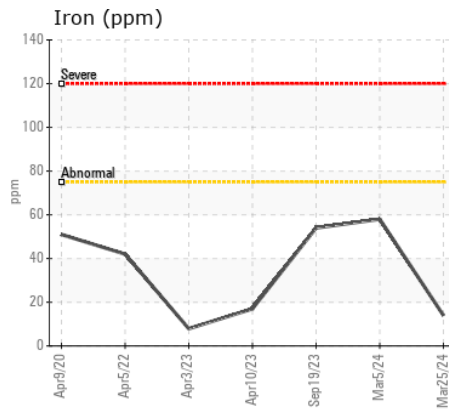
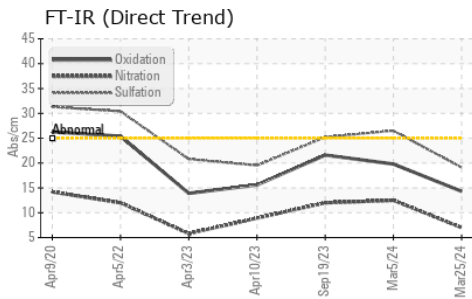
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	<b>2</b>	6	8
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	12	0
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*	>6	<b>0.1</b>	0.7	0.9
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.0</b>	12.5	12.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.1</b>	26.5	25.2
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>	3	3
Boron	ppm	ASTM D5185(m)		<b>13</b>	15	7
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>50</b>	18	61
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>778</b>	175	965
Calcium	ppm	ASTM D5185(m)		<b>1146</b>	2038	1112
Phosphorus	ppm	ASTM D5185(m)		<b>925</b>	873	1040
Zinc	ppm	ASTM D5185(m)		<b>1092</b>	1027	1230
Sulfur	ppm	ASTM D5185(m)		<b>2501</b>	2836	2357
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>14.3</b>	19.8	21.6
Visc @ 40°C	cSt	ASTM D7279(m)		<b>72.7</b>	68.7	73.3
Visc @ 100°C	cSt	ASTM D7279(m)		<b>11.2</b>	10.6	11.1
Viscosity Index (VI)	Scale	ASTM D2270*		<b>145</b>	142	141



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0082193  
**Lab Number** : 02627198  
**Unique Number** : 5760330  
**Test Package** : MOB 1 ( Additional Tests: KV40, VI )  
**Received** : 08 Apr 2024  
**Tested** : 08 Apr 2024  
**Diagnosed** : 08 Apr 2024 - Wes Davis

**GFL Environmental - 742 - Quebec City Solid Waste**  
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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.