



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



Machine Id  
**819008**  
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>PC0083839</b>	PC0081868	PC0075460
Sample Date		Client Info		<b>28 Feb 2024</b>	18 Dec 2023	08 May 2023
Machine Age	kms	Client Info		<b>106627</b>	102215	819008
Oil Age	kms	Client Info		<b>0</b>	0	0
Filter Age	kms	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	N/A
Filter Changed		Client Info		<b>Changed</b>	Changed	N/A
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)	>80	<b>36</b>	16	38
Chromium	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	1
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>30	<b>6</b>	3	5
Lead	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185(m)	>150	<b>3</b>	1	2
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

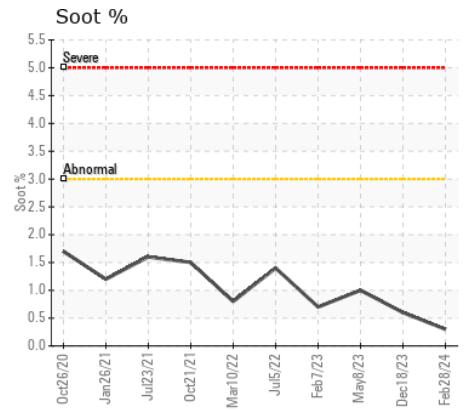
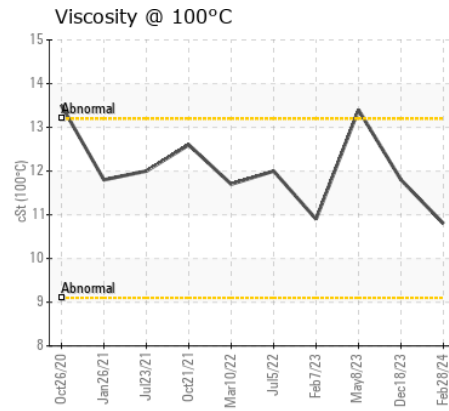
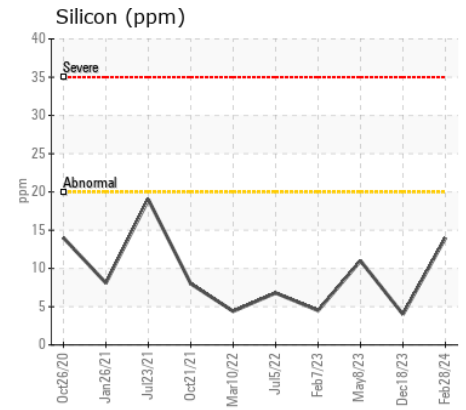
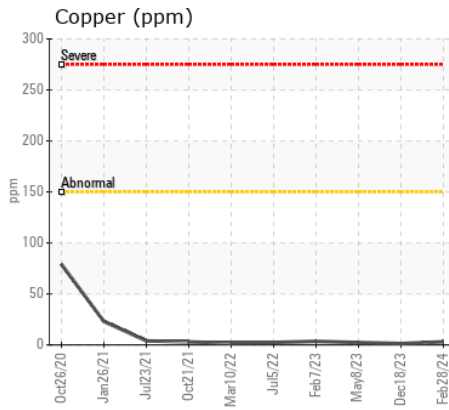
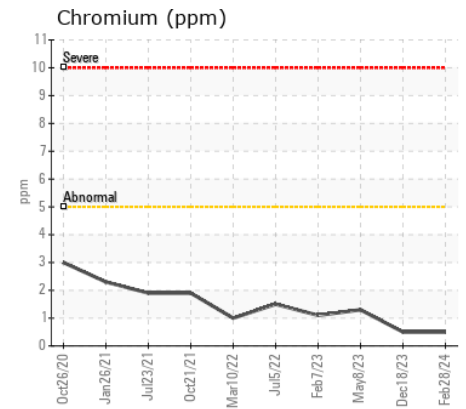
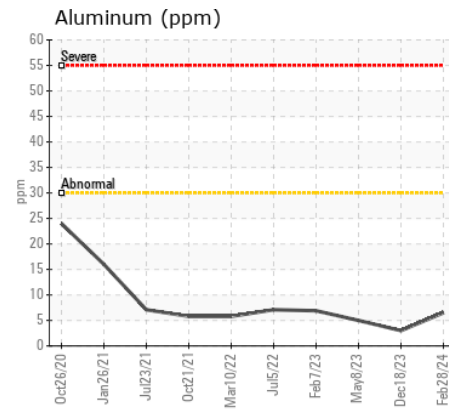
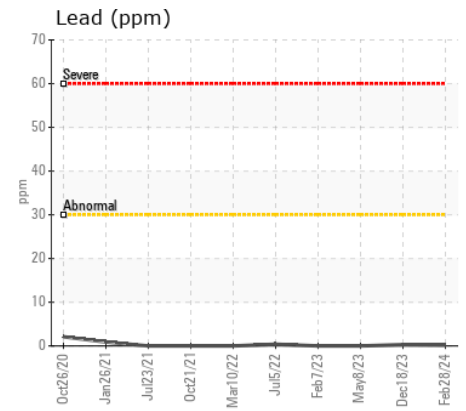
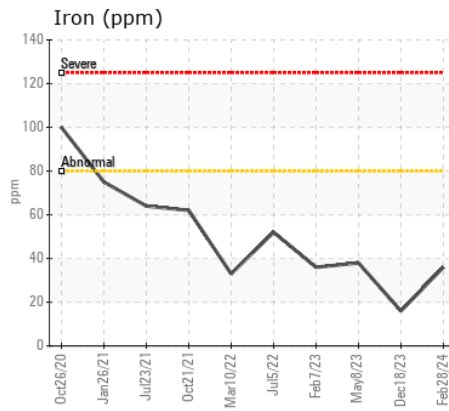
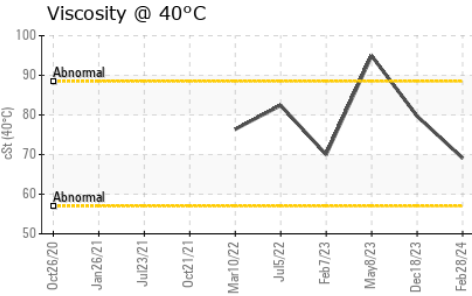
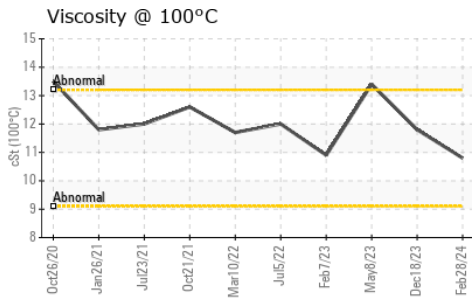
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>20	<b>14</b>	4	11
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	3	3
Fuel		WC Method	>5	<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>0.3</b>	0.6	1
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.6</b>	9.0	10.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.9</b>	22.2	23.1
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>7</b>	2	2
Boron	ppm	ASTM D5185(m)		<b>13</b>	13	6
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>55</b>	21	62
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185(m)		<b>794</b>	207	1005
Calcium	ppm	ASTM D5185(m)		<b>1194</b>	2082	1075
Phosphorus	ppm	ASTM D5185(m)		<b>958</b>	936	1077
Zinc	ppm	ASTM D5185(m)		<b>1109</b>	1094	1225
Sulfur	ppm	ASTM D5185(m)		<b>2715</b>	2964	2475
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>15.1</b>	15.3	17.2
Visc @ 40°C	cSt	ASTM D7279(m)		<b>69.1</b>	79.7	94.9
Visc @ 100°C	cSt	ASTM D7279(m)		<b>10.8</b>	11.8	13.4
Viscosity Index (VI)	Scale	ASTM D2270*		<b>145</b>	141	141



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0083839  
**Lab Number** : 02619518  
**Unique Number** : 5736628  
**Test Package** : MOB 1 ( Additional Tests: KV40, VI )

**GFL Environmental - 737 - Quebec City Hauling**  
 6205 Boul. Wilfrid Hamel,  
 Quebec City, QC  
 CA G2E 5G8  
 Contact: Dave Beaulieu  
 davebeaulieu@matrec.ca

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: