



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

Machine Id  
**831026**  
 Component  
**Natural Gas Engine**  
 Fluid  
**PETRO CANADA DURON GEO LD 15W40 (--- 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>PC0088477</b>	PC0066278	---
Sample Date		Client Info		<b>08 Apr 2024</b>	24 Feb 2023	---
Machine Age	kms	Client Info		<b>0</b>	58085	---
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>	N/A	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

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

Iron	ppm	ASTM D5185(m)	>50	<b>28</b>	35	---
Chromium	ppm	ASTM D5185(m)	>4	<b>2</b>	3	---
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	2	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>9	<b>16</b>	20	---
Lead	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	7	---
Copper	ppm	ASTM D5185(m)	>35	<b>1</b>	2	---
Tin	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	2	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

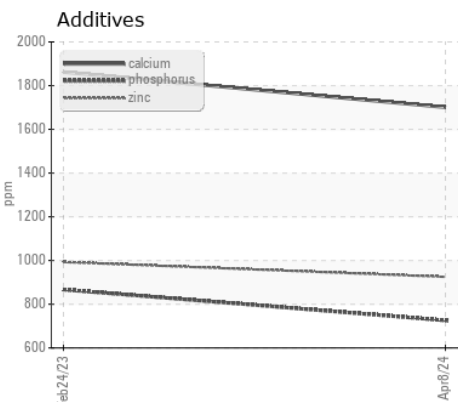
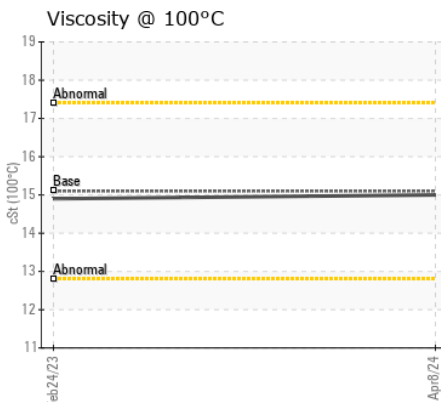
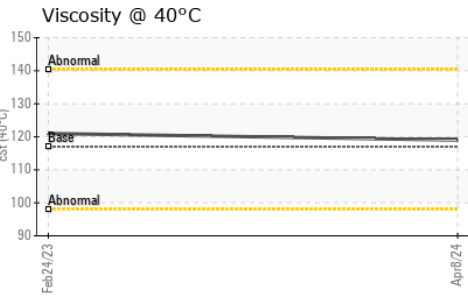
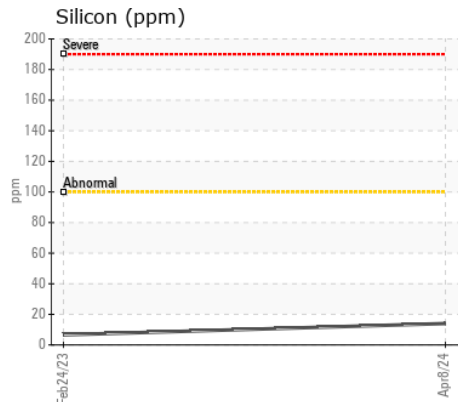
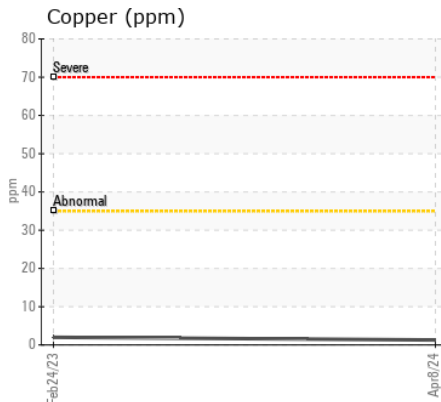
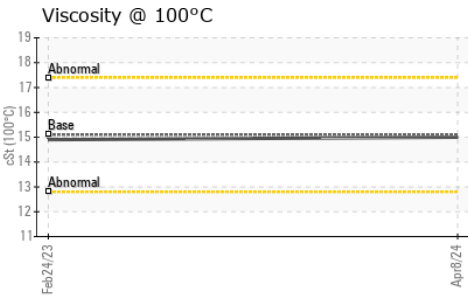
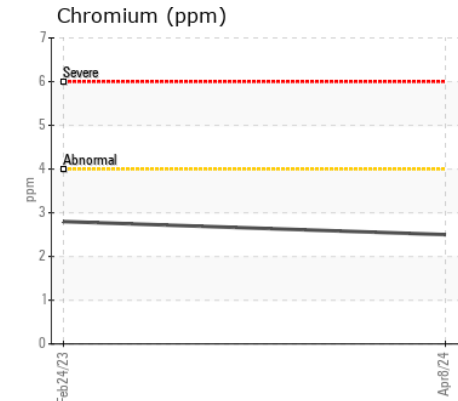
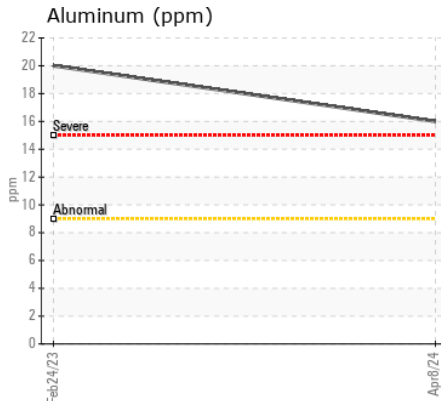
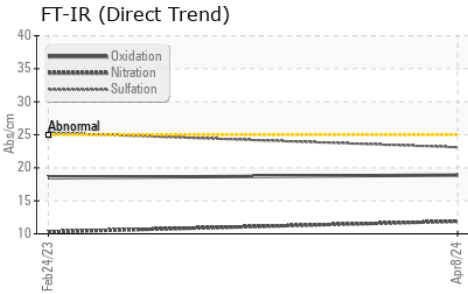
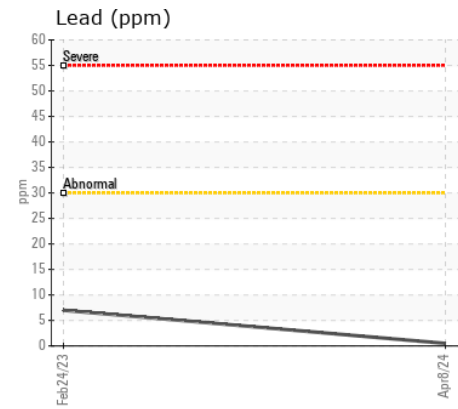
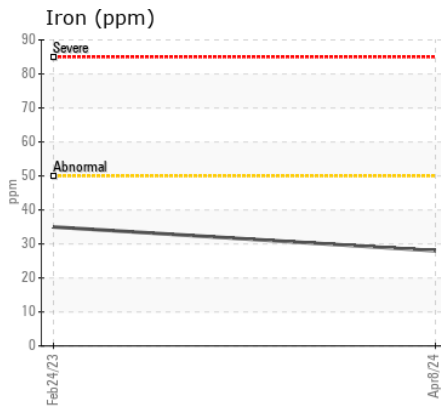
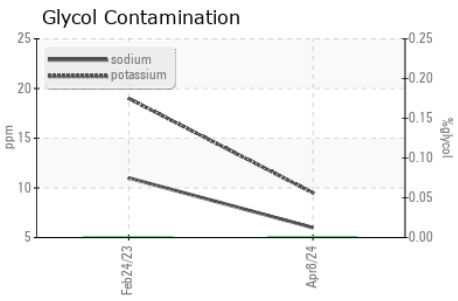
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>+100	<b>14</b>	7	---
Potassium	ppm	ASTM D5185(m)	>20	<b>10</b>	19	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Glycol	%	ASTM D7922*		<b>0.0</b>	0.0	---
Soot %	%	ASTM D7844*		<b>0.5</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>11.9</b>	10.3	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>23.1</b>	25.3	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>VLITE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)		<b>6</b>	11	---
Boron	ppm	ASTM D5185(m)	50	<b>10</b>	8	---
Barium	ppm	ASTM D5185(m)	5	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	50	<b>54</b>	61	---
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	2	---
Magnesium	ppm	ASTM D5185(m)	560	<b>581</b>	685	---
Calcium	ppm	ASTM D5185(m)	1510	<b>1701</b>	1862	---
Phosphorus	ppm	ASTM D5185(m)	780	<b>726</b>	867	---
Zinc	ppm	ASTM D5185(m)	870	<b>925</b>	993	---
Sulfur	ppm	ASTM D5185(m)	2040	<b>1951</b>	2099	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>18.9</b>	18.5	---
Visc @ 40°C	cSt	ASTM D7279(m)	117.0	<b>119</b>	121	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	<b>15.0</b>	14.9	---
Viscosity Index (VI)	Scale	ASTM D2270*	134	<b>130</b>	126	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0088477  
**Lab Number** : 02629842  
**Unique Number** : 5762974  
**Test Package** : MOB 1 ( Additional Tests: Glycol, KV40, VI, Visual )

**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.