



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



Machine Id  
**931043**  
Component  
**Diesel 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>PC0088467</b>	CU0021563	PC0067341
Sample Date		Client Info		<b>16 Apr 2024</b>	24 Oct 2023	21 Apr 2023
Machine Age	hrs	Client Info		<b>5828</b>	0	61040
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	NORMAL

**WEAR**

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

Iron	ppm	ASTM D5185(m)	>120	<b>16</b>	41	46
Chromium	ppm	ASTM D5185(m)	>20	<b>1</b>	4	3
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	2	2
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>16</b>	▲ 40	31
Lead	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	6	4
Copper	ppm	ASTM D5185(m)	>330	<b>1</b>	4	4
Tin	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	2	2
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

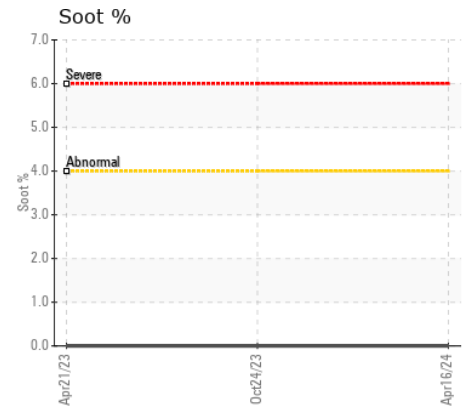
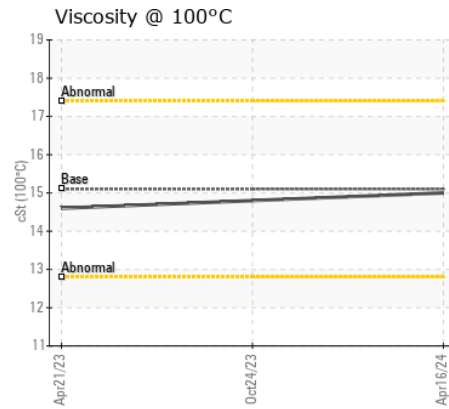
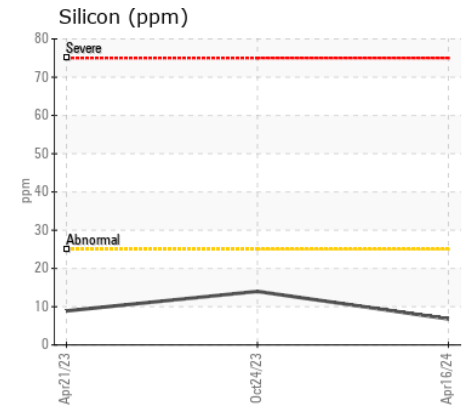
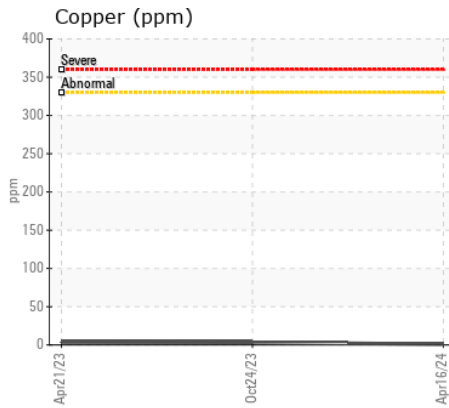
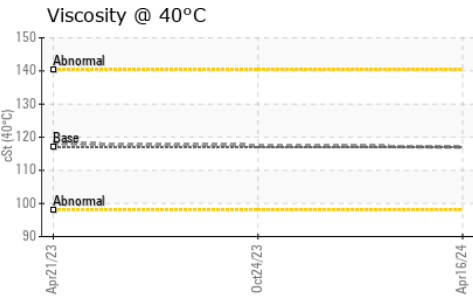
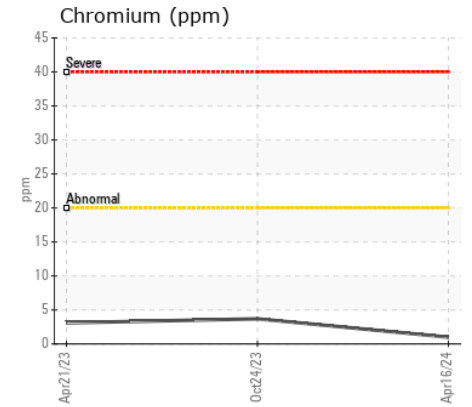
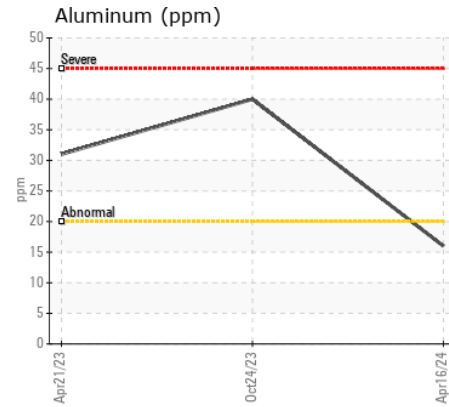
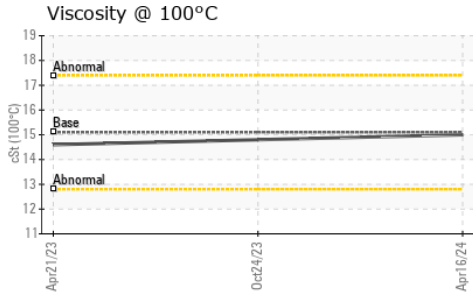
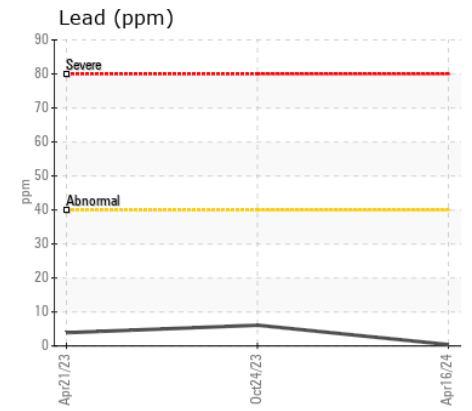
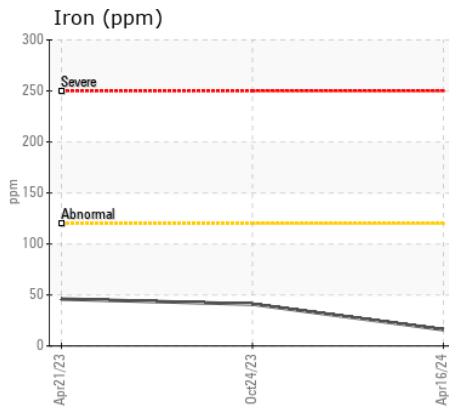
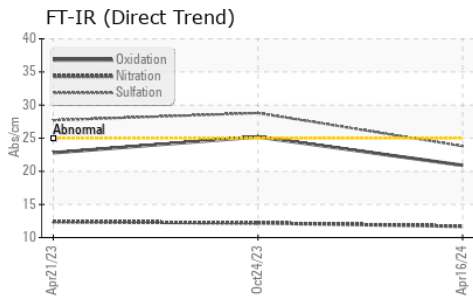
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	<b>7</b>	14	9
Potassium	ppm	ASTM D5185(m)	>20	<b>1</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>	0.0	0.0
Soot %	%	ASTM D7844*	>4	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>11.7</b>	12.2	12.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>23.8</b>	28.8	27.7
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>3</b>	13	14
Boron	ppm	ASTM D5185(m)	50	<b>5</b>	7	6
Barium	ppm	ASTM D5185(m)	5	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	50	<b>52</b>	63	64
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	1	2
Magnesium	ppm	ASTM D5185(m)	560	<b>803</b>	664	706
Calcium	ppm	ASTM D5185(m)	1510	<b>1235</b>	1836	1922
Phosphorus	ppm	ASTM D5185(m)	780	<b>649</b>	870	935
Zinc	ppm	ASTM D5185(m)	870	<b>868</b>	1025	1024
Sulfur	ppm	ASTM D5185(m)	2040	<b>1881</b>	2050	2164
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>20.9</b>	25.2	22.8
Visc @ 40°C	cSt	ASTM D7279(m)	117.0	<b>117</b>	---	118
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	<b>15.0</b>	14.8	14.6
Viscosity Index (VI)	Scale	ASTM D2270*	134	<b>132</b>	---	125



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0088467  
**Lab Number** : 02630076  
**Unique Number** : 5763208  
**Test Package** : MOB 1 ( Additional Tests: KV40, VI )

**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.