

Machine Id  
**832006**  
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. Veuillez préciser la marque et le modèle du composant lors du prochain échantillon.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0088607</b>	CU0022576	PC0066265
Sample Date		Client Info		<b>04 Jun 2024</b>	20 Nov 2023	02 Dec 2022
Machine Age	hrs	Client Info		<b>0</b>	56252	2192
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>	Changed	Changed
Filter Changed		Client Info		<b>N/A</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)	>100	<b>8</b>	19	19
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	2	1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>3</b>	10	10
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	8	2
Copper	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	2	2
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	2	1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

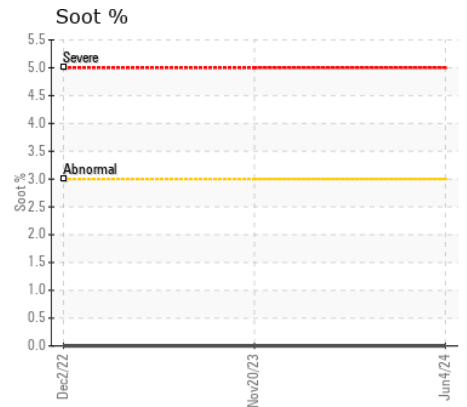
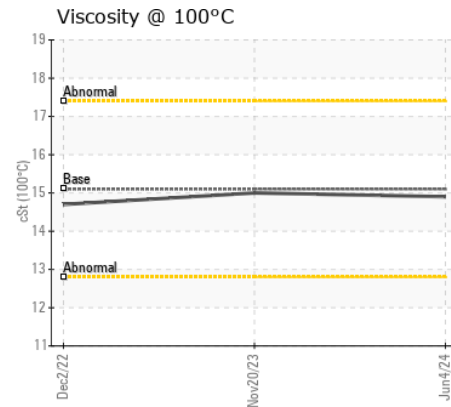
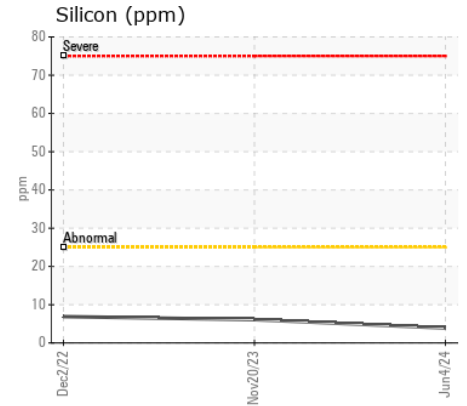
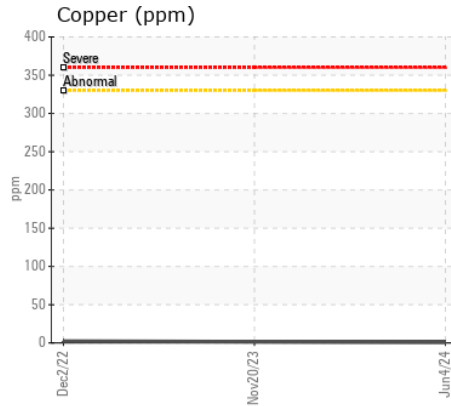
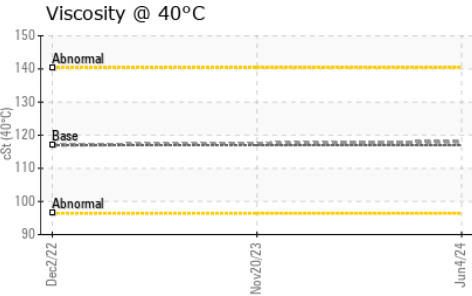
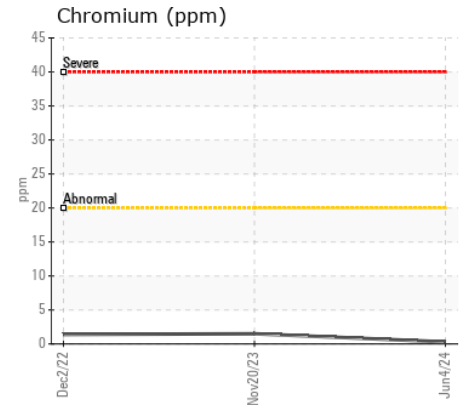
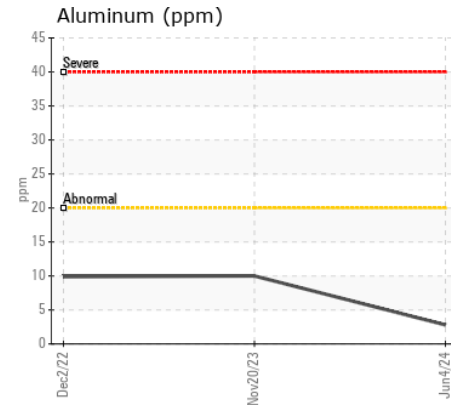
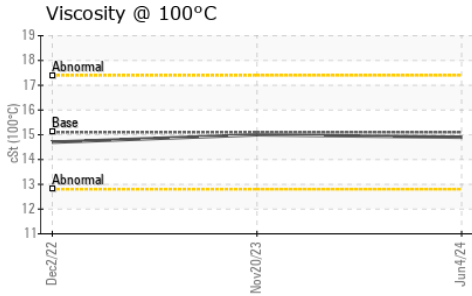
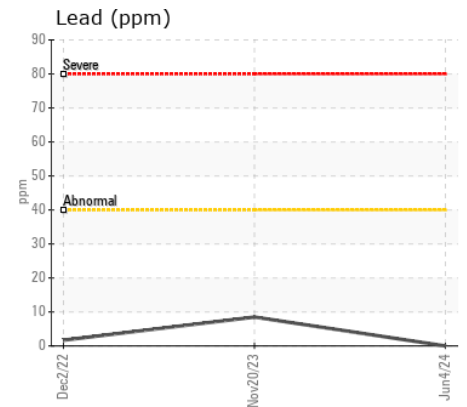
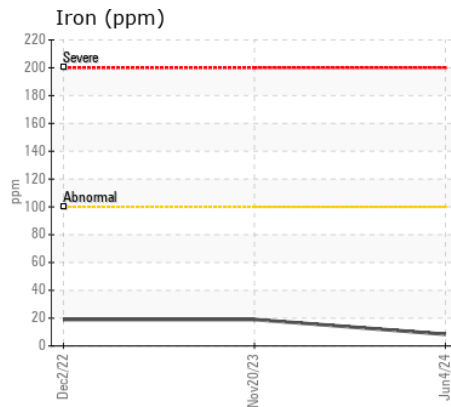
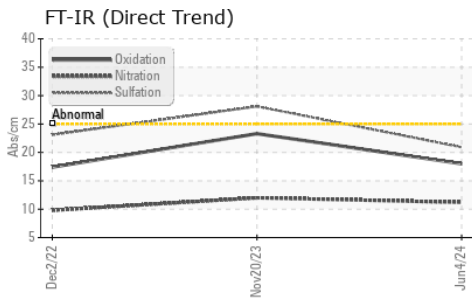
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	<b>4</b>	6	7
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	11	11
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>	0.0	NEG
Soot %	%	ASTM D7844*	>3	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>11.2</b>	12.0	9.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>20.9</b>	28.1	23.1
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	NORML
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>4</b>	11	9
Boron	ppm	ASTM D5185(m)	50	<b>14</b>	8	9
Barium	ppm	ASTM D5185(m)	5	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	50	<b>53</b>	62	62
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	2
Magnesium	ppm	ASTM D5185(m)	560	<b>581</b>	679	633
Calcium	ppm	ASTM D5185(m)	1510	<b>1658</b>	1854	1748
Phosphorus	ppm	ASTM D5185(m)	780	<b>715</b>	854	873
Zinc	ppm	ASTM D5185(m)	870	<b>891</b>	1041	980
Sulfur	ppm	ASTM D5185(m)	2040	<b>1981</b>	2090	2147
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>18.0</b>	23.3	17.4
Visc @ 40°C	cSt	ASTM D7279(m)	117.0	<b>118</b>	---	117
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	<b>14.9</b>	15.0	14.7
Viscosity Index (VI)	Scale	ASTM D2270*	134	<b>129</b>	---	128



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0088607  
**Lab Number** : 02639761  
**Unique Number** : 5788923  
**Test Package** : MOB 1 ( Additional Tests: 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.