



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

Machine Id  
**EX0259**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 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>GFL0107448</b>	GFL0107439	---
Sample Date		Client Info		<b>22 May 2024</b>	19 Feb 2024	---
Machine Age	kms	Client Info		<b>8540</b>	8342	---
Oil Age	kms	Client Info		<b>250</b>	250	---
Filter Age	kms	Client Info		<b>250</b>	250	---
Oil Changed		Client Info		<b>Changed</b>	Not Changd	---
Filter Changed		Client Info		<b>Changed</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

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

Iron	ppm	ASTM D5185(m)	>50	<b>38</b>	29	---
Chromium	ppm	ASTM D5185(m)	>20	<b>3</b>	2	---
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>3</b>	4	---
Lead	ppm	ASTM D5185(m)	>40	<b>6</b>	4	---
Copper	ppm	ASTM D5185(m)	>30	<b>3</b>	2	---
Tin	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	---
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**

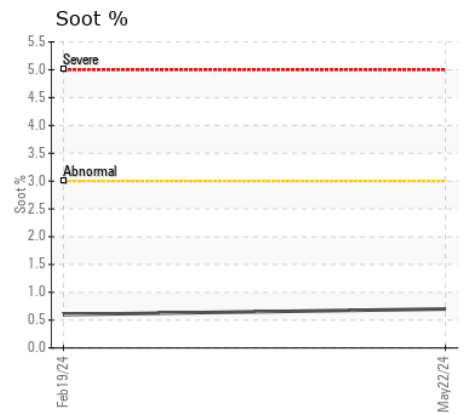
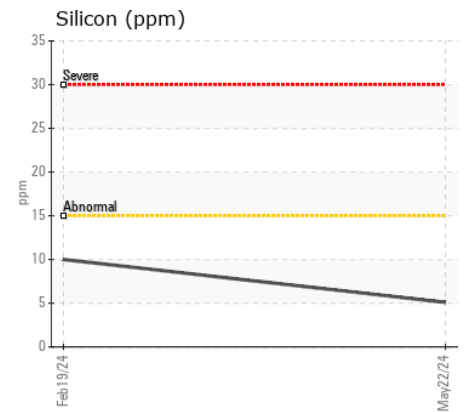
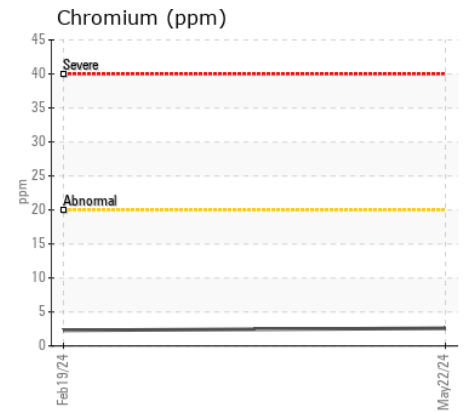
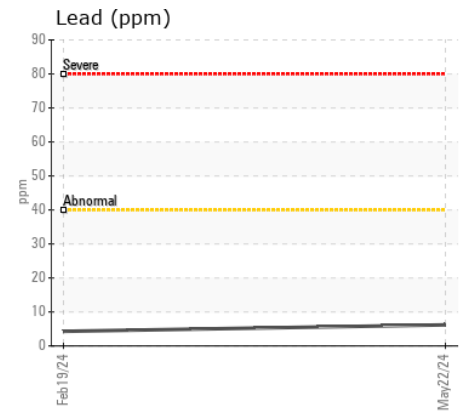
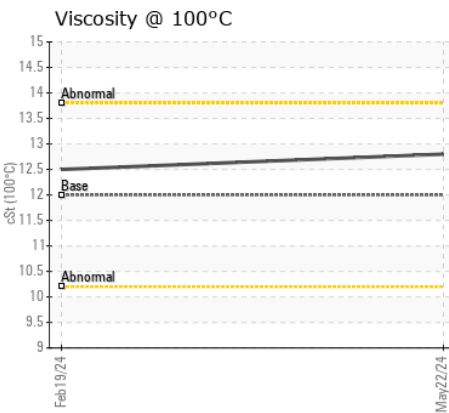
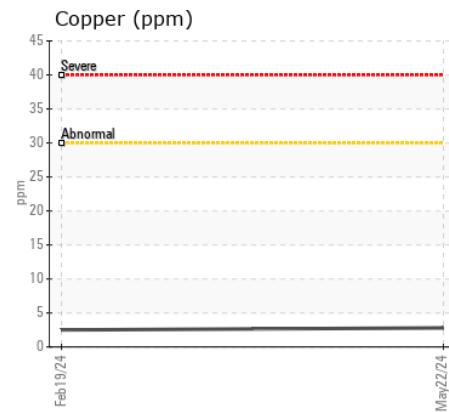
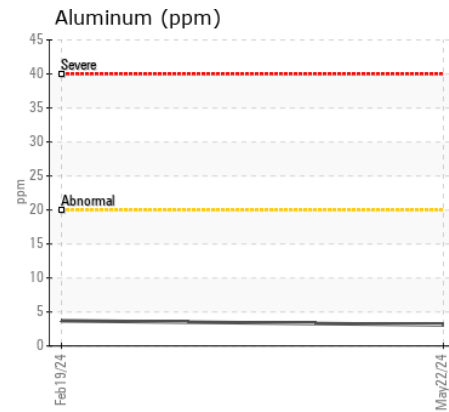
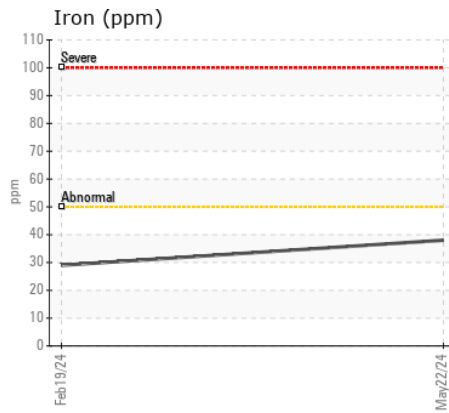
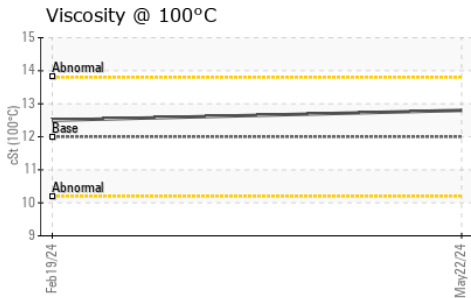
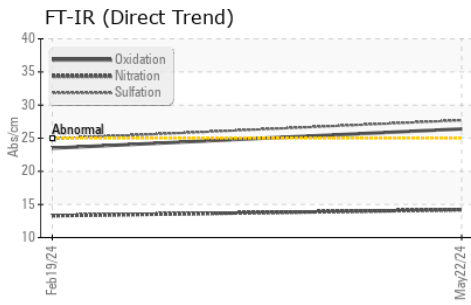
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>15	<b>5</b>	10	---
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	3	---
Fuel		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	ASTM D7844*	>3	<b>0.7</b>	0.6	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>14.2</b>	13.3	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>27.7</b>	24.9	---
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**

La viscosité de l'échantillon se situe dans la portée de l'SAE 40; nous vous conseillons de vérifier. L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		<b>4</b>	2	---
Boron	ppm	ASTM D5185(m)	2	<b>2</b>	2	---
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	50	<b>74</b>	72	---
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185(m)	950	<b>1156</b>	1115	---
Calcium	ppm	ASTM D5185(m)	1050	<b>1327</b>	1300	---
Phosphorus	ppm	ASTM D5185(m)	995	<b>1128</b>	1182	---
Zinc	ppm	ASTM D5185(m)	1180	<b>1427</b>	1397	---
Sulfur	ppm	ASTM D5185(m)	2600	<b>2628</b>	2904	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>26.4</b>	23.5	---
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	<b>12.8</b>	12.5	---



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0107448 **Received** : 23 May 2024  
**Lab Number** : 02637052 **Tested** : 23 May 2024  
**Unique Number** : 5786214 **Diagnosed** : 23 May 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: Visual )

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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