



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



Area  
**{UNASSIGNED}**  
Machine Id  
**401165**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA DURON SHP 15W40 (10 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>GFL0121274</b>	GFL0026150	---
Sample Date		Client Info		<b>30 May 2024</b>	18 Oct 2021	---
Machine Age	hrs	Client Info		<b>9109</b>	141414	---
Oil Age	hrs	Client Info		<b>600</b>	0	---
Filter Age	hrs	Client Info		<b>600</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	N/A	---
Filter Changed		Client Info		<b>Changed</b>	N/A	---
Sample Status				<b>ABNORMAL</b>	NORMAL	---

**WEAR**

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

Iron	ppm	ASTM D5185(m)	>120	<b>18</b>	11	---
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>1</b>	2	---
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	---
Copper	ppm	ASTM D5185(m)	>330	<b>9</b>	3	---
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>VLITE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

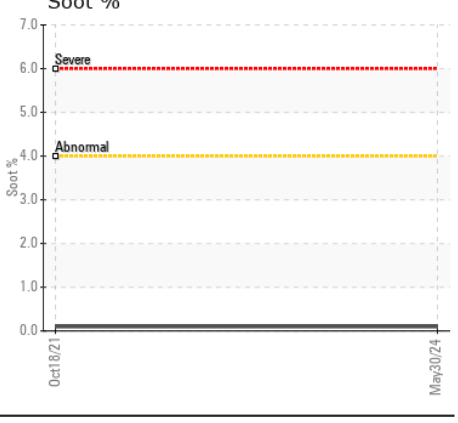
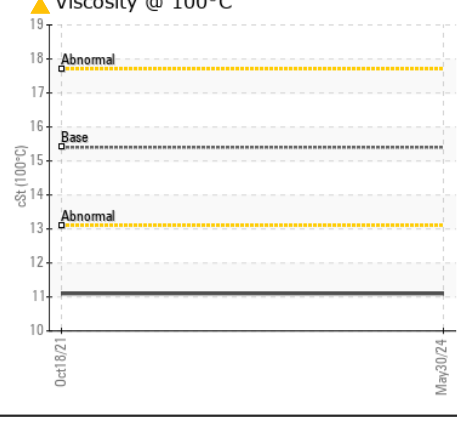
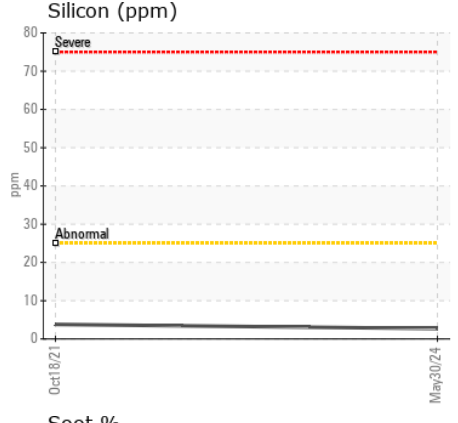
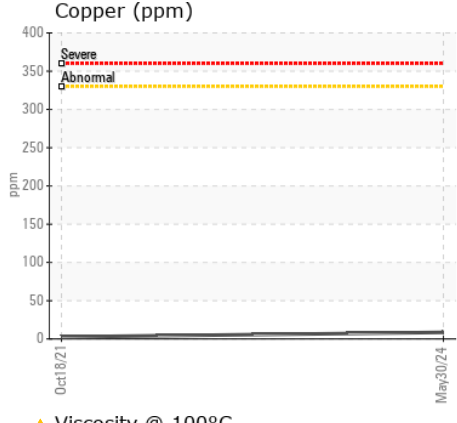
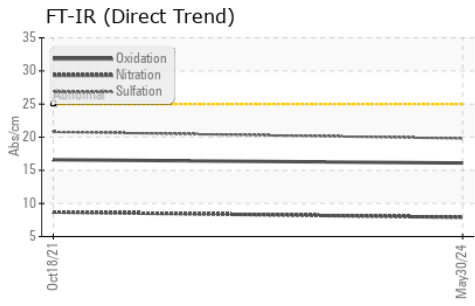
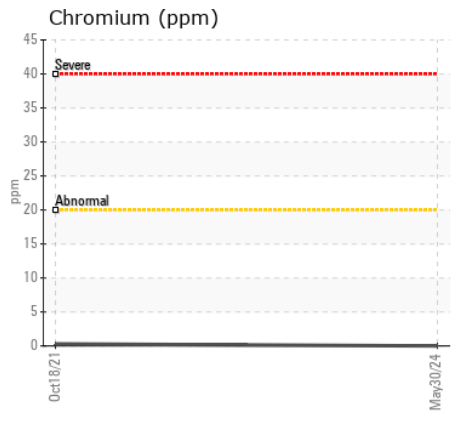
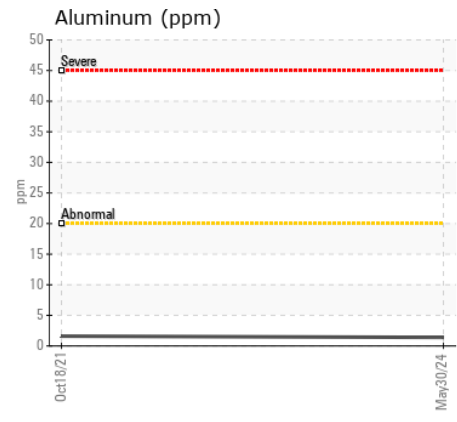
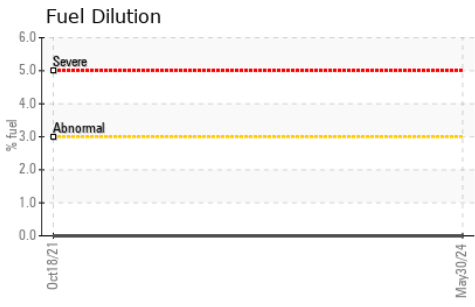
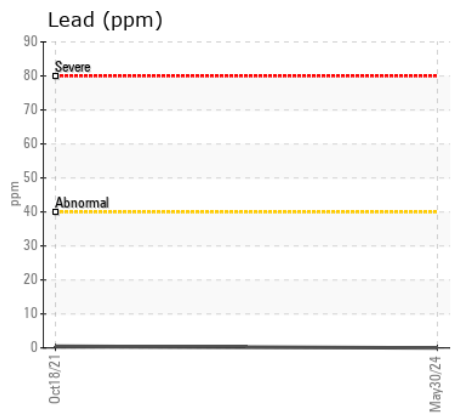
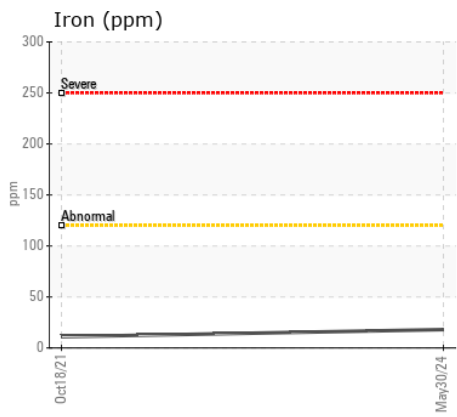
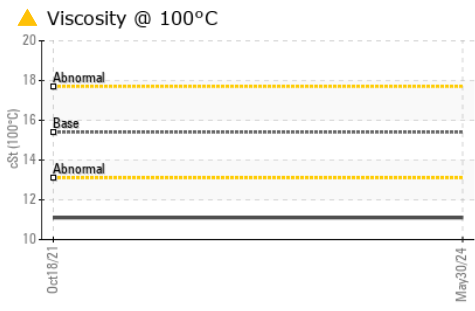
Les tests n'indiquent aucune trace de carburant dans l'huile. Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	<b>3</b>	4	---
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	3	---
Fuel	%	ASTM D7593*	>3.0	<b>0.0</b>	<1.0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	ASTM D7844*	>4	<b>0.1</b>	0.1	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.9</b>	8.7	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.8</b>	20.8	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</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*	>0.2	<b>NEG</b>	NEG	---

**FLUID CONDITION**

La viscosité de l'échantillon se situe dans la portée de l'SAE 30; nous vous conseillons de vérifier. L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		<b>3</b>	4	---
Boron	ppm	ASTM D5185(m)	0	<b>6</b>	3	---
Barium	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	60	<b>56</b>	62	---
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	1010	<b>911</b>	1047	---
Calcium	ppm	ASTM D5185(m)	1070	<b>1175</b>	1154	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>1000</b>	1108	---
Zinc	ppm	ASTM D5185(m)	1270	<b>1162</b>	1313	---
Sulfur	ppm	ASTM D5185(m)	2060	<b>2490</b>	2635	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>16.1</b>	16.6	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>▲ 11.1</b>	11.1	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0121274 **Received** : 03 Jun 2024  
**Lab Number** : 02639353 **Tested** : 04 Jun 2024  
**Unique Number** : 5788515 **Diagnosed** : 04 Jun 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: FuelDilution, PercentFuel, Visual )

**Matrec - 7S91F - Amqui**  
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 Amqui, QC  
 CA G5J 2G1  
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 T:  
 F:

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.