



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



Machine Id  
**801091**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA DURON SHP 15W40 (--- GAL)**

**RECOMMENDATION**

Aucune mesure corrective n'est recommandée pour l'instant.  
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>GFL0107385</b>	GFL0080328	GFL0044360
Sample Date		Client Info		<b>07 Feb 2024</b>	12 Sep 2023	05 Dec 2022
Machine Age	kms	Client Info		<b>0</b>	125511	9803
Oil Age	kms	Client Info		<b>600</b>	600	600
Filter Age	kms	Client Info		<b>600</b>	600	600
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

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

Iron	ppm	ASTM D5185(m)	>90	<b>50</b>	23	51
Chromium	ppm	ASTM D5185(m)	>20	<b>2</b>	1	2
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>15</b>	8	5
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>330	<b>2</b>	1	2
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
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**

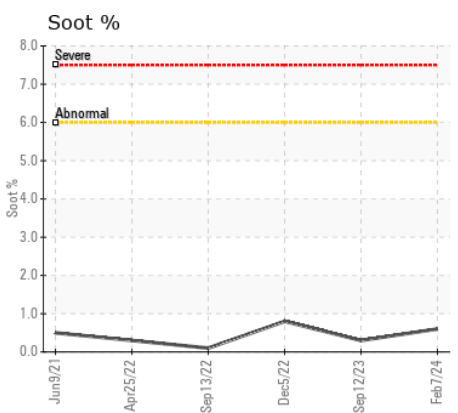
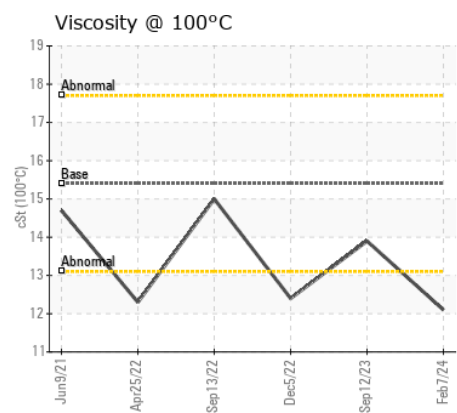
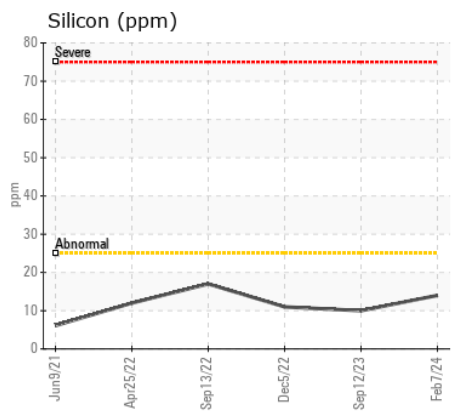
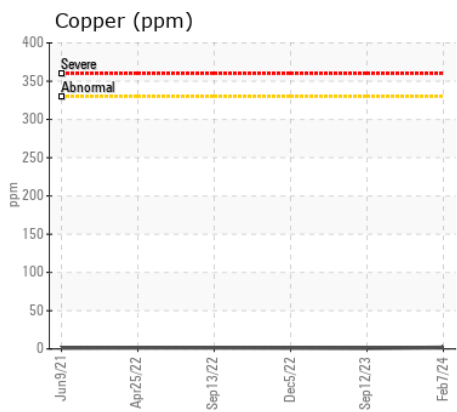
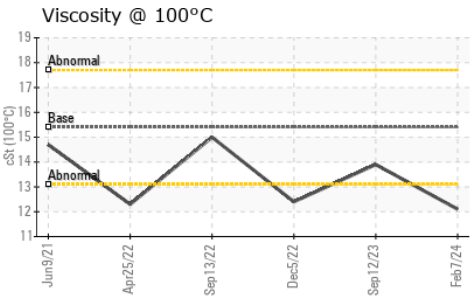
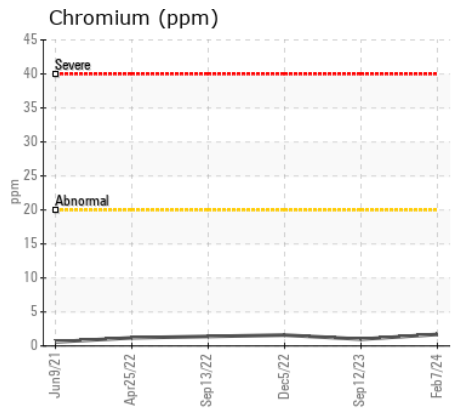
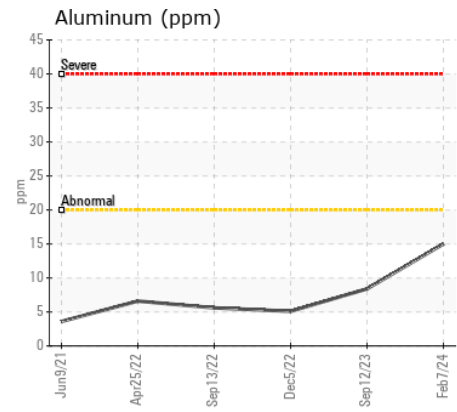
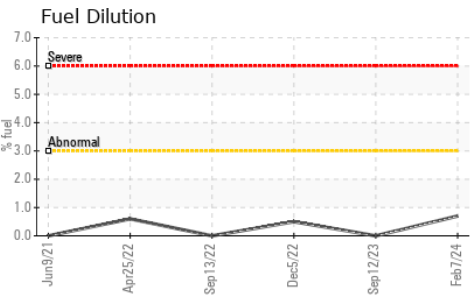
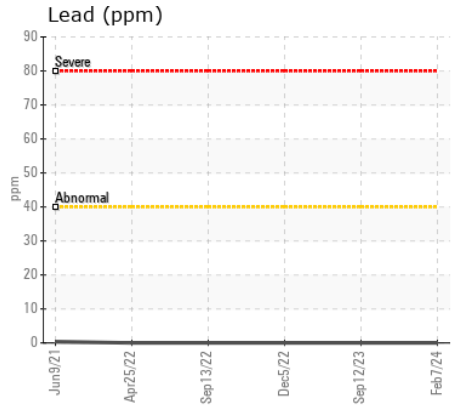
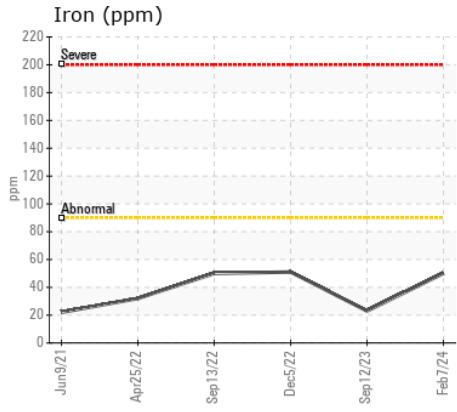
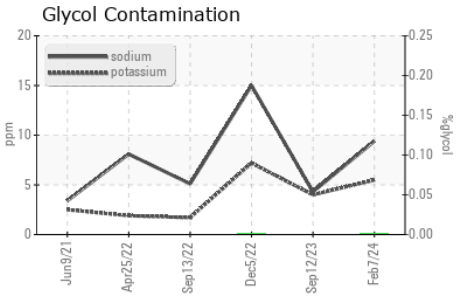
La teneur en carburant est négligeable. Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	<b>14</b>	10	11
Potassium	ppm	ASTM D5185(m)	>20	<b>6</b>	4	7
Fuel	%	ASTM D7593*	>3.0	<b>0.7</b>	<1.0	0.5
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol	%	ASTM D7922*		<b>0.0</b>	NEG	0.0
Soot %	%	ASTM D7844*	>6	<b>0.6</b>	0.3	0.8
Nitration	Abs/cm	ASTM D7624*	>20	<b>11.6</b>	9.9	12.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>22.5</b>	18.9	26.1
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	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>9</b>	4	15
Boron	ppm	ASTM D5185(m)	0	<b>7</b>	30	5
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	60	<b>56</b>	13	56
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	1010	<b>841</b>	152	871
Calcium	ppm	ASTM D5185(m)	1070	<b>1245</b>	2050	1474
Phosphorus	ppm	ASTM D5185(m)	1150	<b>953</b>	1040	1117
Zinc	ppm	ASTM D5185(m)	1270	<b>1195</b>	1164	1316
Sulfur	ppm	ASTM D5185(m)	2060	<b>2603</b>	3222	2615
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>18.6</b>	13.9	21.3
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>12.1</b>	13.9	12.4



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0107385  
**Lab Number** : 02616843  
**Unique Number** : 5733953  
**Test Package** : MOB 1 ( Additional Tests: FuelDilution, Glycol, PercentFuel, Visual )

**GFL Environmental - 730 - Chicoutimi - Hauling**  
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 Chicoutimi, QC  
 CA G7H 5B1  
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**Received** : 21 Feb 2024  
**Tested** : 23 Feb 2024  
**Diagnosed** : 23 Feb 2024 - Wes Davis

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.