



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

Machine Id  
**4756**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (45 LTR)**

**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>GFL0107362</b>	GFL0094173	GFL0076615
Sample Date		Client Info		<b>23 Feb 2024</b>	01 Dec 2023	09 Jun 2023
Machine Age	hrs	Client Info		<b>22795</b>	22547	21570
Oil Age	hrs	Client Info		<b>600</b>	600	600
Filter Age	hrs	Client Info		<b>600</b>	600	600
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</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)	>110	<b>10</b>	21	18
Chromium	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>2</b>	2	2
Lead	ppm	ASTM D5185(m)	>45	<b>&lt;1</b>	5	2
Copper	ppm	ASTM D5185(m)	>85	<b>&lt;1</b>	1	<1
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	<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**

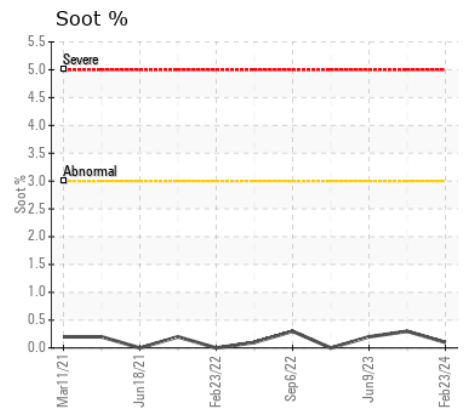
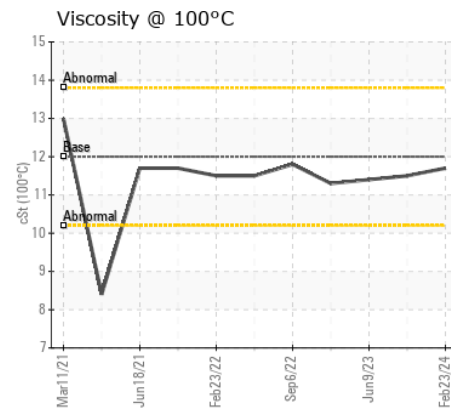
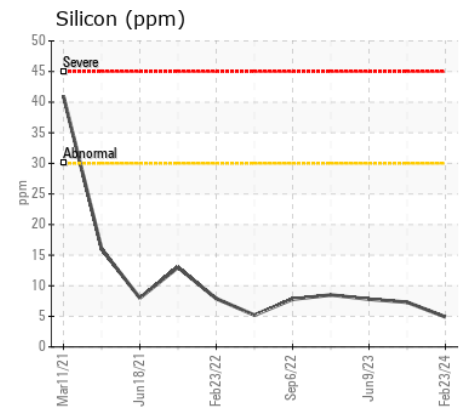
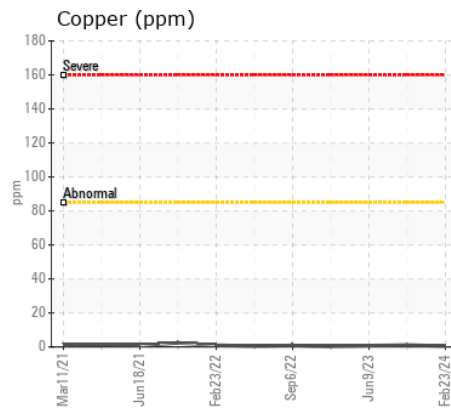
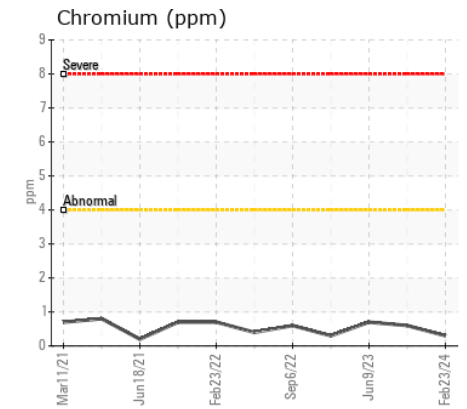
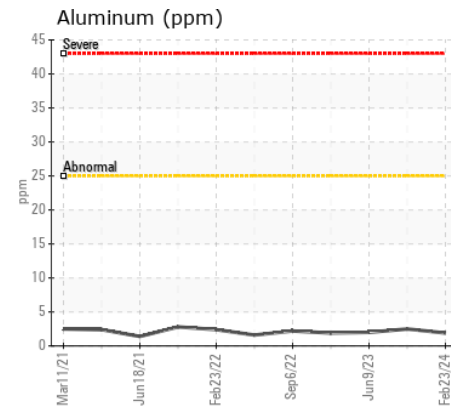
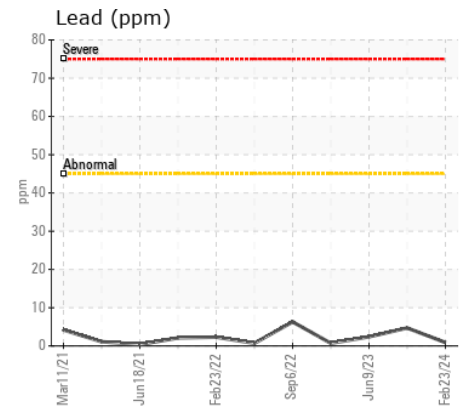
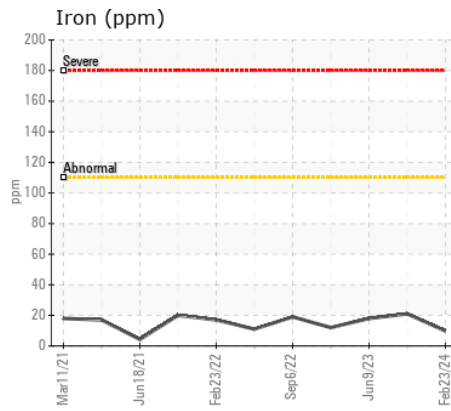
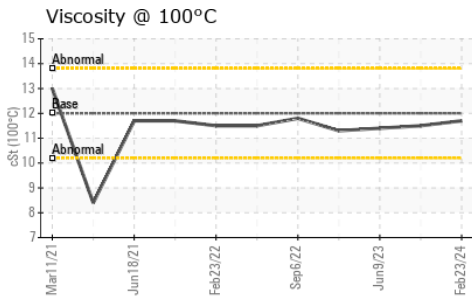
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>30	<b>5</b>	7	8
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	<1	<1
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>	NEG	NEG
Soot %	%	ASTM D7844*	>3	<b>0.1</b>	0.3	0.2
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.3</b>	10.9	10.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>20.5</b>	23.2	22.3
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>4</b>	5	5
Boron	ppm	ASTM D5185(m)	2	<b>2</b>	2	5
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	50	<b>59</b>	62	63
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185(m)	950	<b>990</b>	1014	1057
Calcium	ppm	ASTM D5185(m)	1050	<b>1136</b>	1137	1135
Phosphorus	ppm	ASTM D5185(m)	995	<b>1055</b>	1049	1156
Zinc	ppm	ASTM D5185(m)	1180	<b>1220</b>	1279	1294
Sulfur	ppm	ASTM D5185(m)	2600	<b>2780</b>	2587	2621
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>17.0</b>	21.5	20.0
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	<b>11.7</b>	11.5	11.4



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0107362  
**Lab Number** : 02618242  
**Unique Number** : 5735352  
**Test Package** : MOB 1 ( Additional Tests: Visual )  
**Received** : 27 Feb 2024  
**Tested** : 27 Feb 2024  
**Diagnosed** : 27 Feb 2024 - Wes Davis

**GFL Environmental - 731STOK - Stoke Hauling**  
 286 Chemin Cote  
 Stoke, QC  
 CA J0B 3G0  
 Contact: Robert Sayers  
 rsayers@matrec.ca

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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F: