



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



Machine Id  
**8414 (S/N 1FVHG3CY5GHHD4021)**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (11 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>GFL0107377</b>	GFL0094166	GFL0059930
Sample Date		Client Info		<b>10 May 2024</b>	11 Sep 2023	15 Nov 2022
Machine Age	hrs	Client Info		<b>9940</b>	9142	161687
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>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

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

Iron	ppm	ASTM D5185(m)	>80	<b>41</b>	49	17
Chromium	ppm	ASTM D5185(m)	>5	<b>2</b>	2	<1
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	<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)	>30	<b>4</b>	13	4
Lead	ppm	ASTM D5185(m)	>30	<b>0</b>	1	<1
Copper	ppm	ASTM D5185(m)	>150	<b>2</b>	2	<1
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

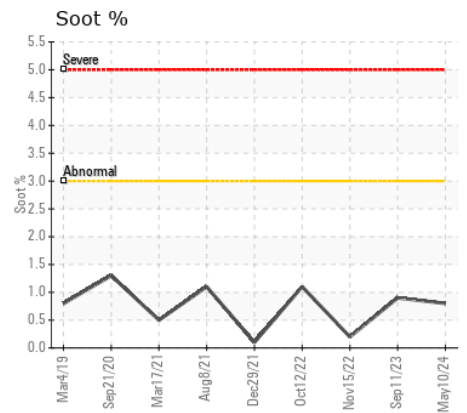
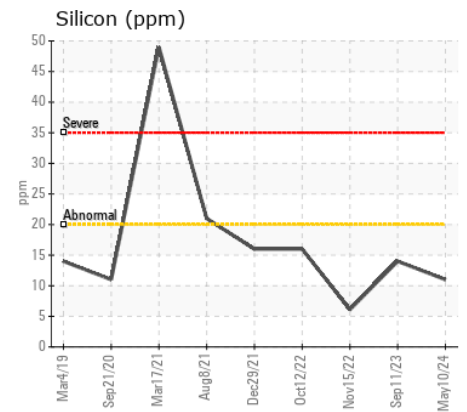
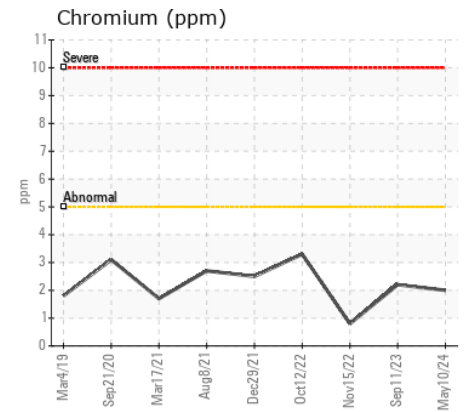
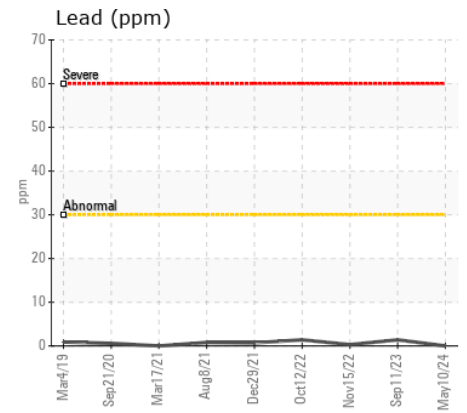
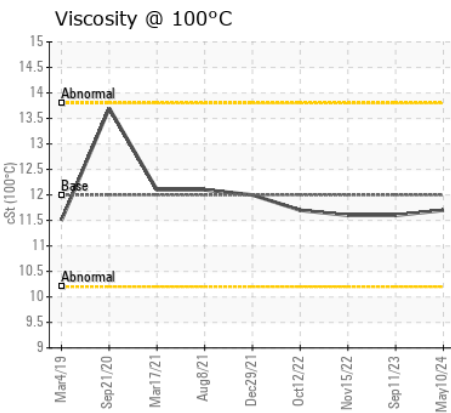
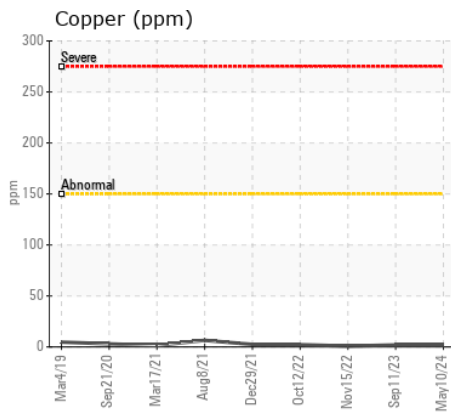
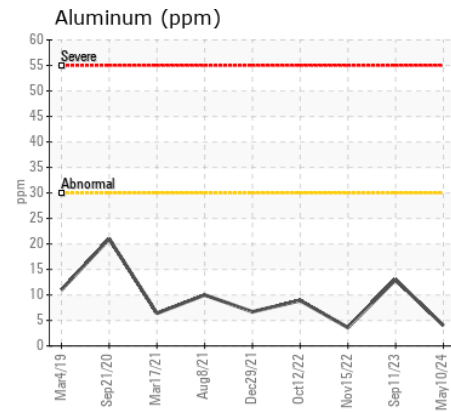
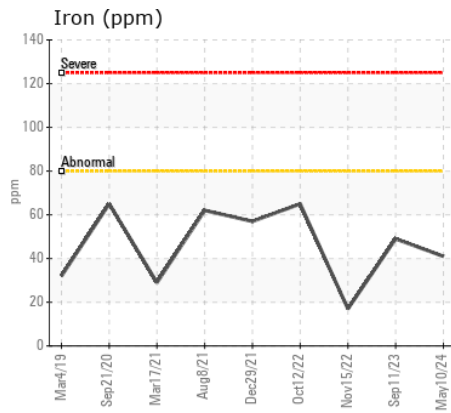
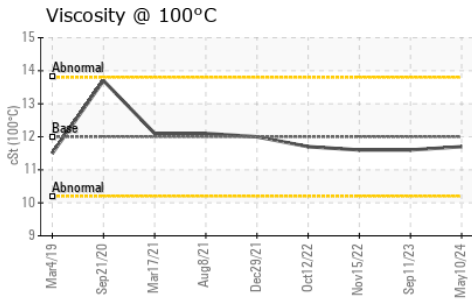
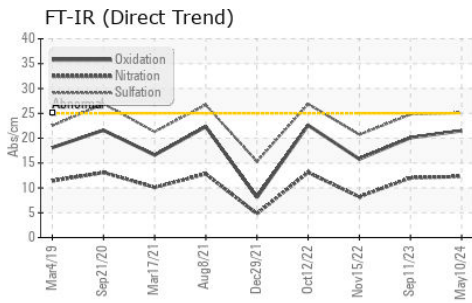
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>20	<b>11</b>	14	6
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	24	4
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>0.8</b>	0.9	0.2
Nitration	Abs/cm	ASTM D7624*	>20	<b>12.3</b>	12.0	8.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>25.1</b>	24.8	20.7
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>8</b>	8	6
Boron	ppm	ASTM D5185(m)	2	<b>1</b>	3	6
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	50	<b>63</b>	63	58
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	950	<b>1034</b>	1012	963
Calcium	ppm	ASTM D5185(m)	1050	<b>1179</b>	1147	1051
Phosphorus	ppm	ASTM D5185(m)	995	<b>1046</b>	1045	1054
Zinc	ppm	ASTM D5185(m)	1180	<b>1260</b>	1281	1161
Sulfur	ppm	ASTM D5185(m)	2600	<b>2435</b>	2414	2557
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>21.5</b>	20.1	15.8
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	<b>11.7</b>	11.6	11.6



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0107377  
**Lab Number** : 02635242  
**Unique Number** : 5776395  
**Test Package** : MOB 1  
**Received** : 14 May 2024  
**Tested** : 14 May 2024  
**Diagnosed** : 14 May 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: