



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



Machine Id  
**913157**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA DURON SHP 10W30 (30 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>GFL0107639</b>	GFL0096473	GFL0096378
Sample Date		Client Info		<b>19 Mar 2024</b>	19 Dec 2023	25 Oct 2023
Machine Age	kms	Client Info		<b>29553</b>	21349	14695
Oil Age	kms	Client Info		<b>29553</b>	0	0
Filter Age	kms	Client Info		<b>29553</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

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

Iron	ppm	ASTM D5185(m)	>120	<b>13</b>	20	9
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>6</b>	11	8
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	1	1
Aluminum	ppm	ASTM D5185(m)	>20	<b>1</b>	2	<1
Lead	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	4	<1
Copper	ppm	ASTM D5185(m)	>330	<b>33</b>	168	22
Tin	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	2	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

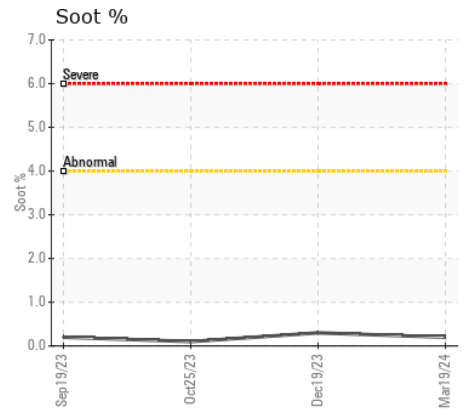
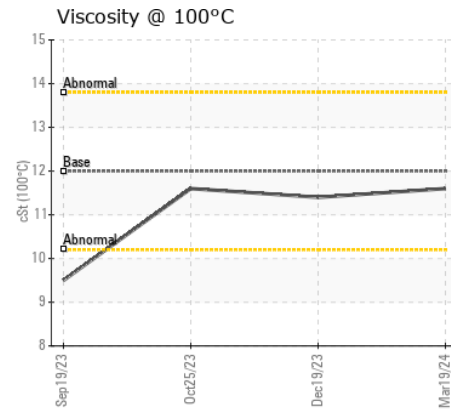
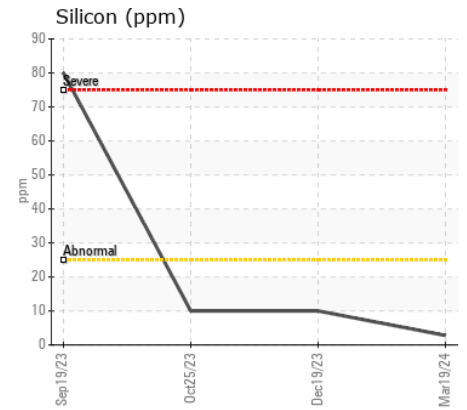
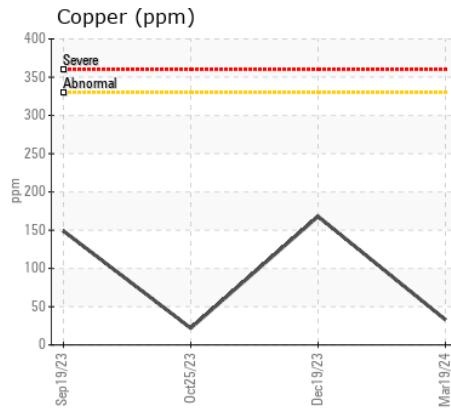
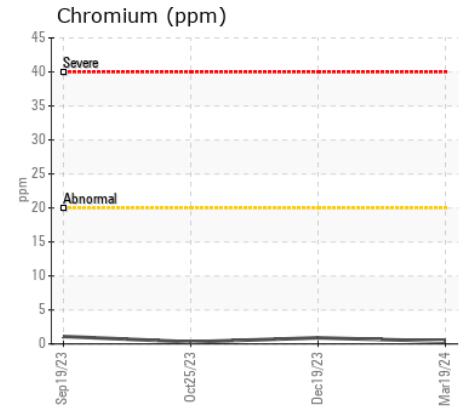
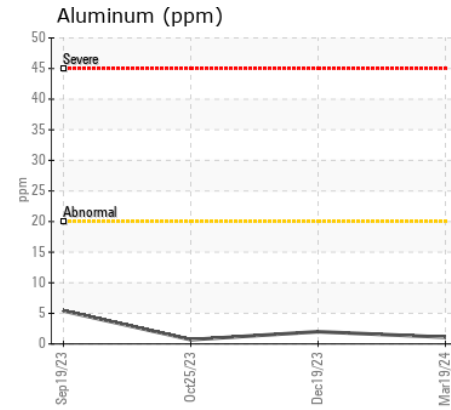
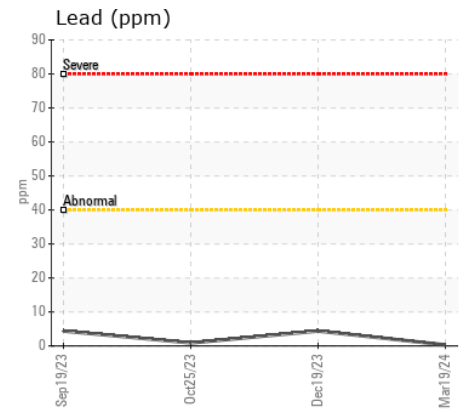
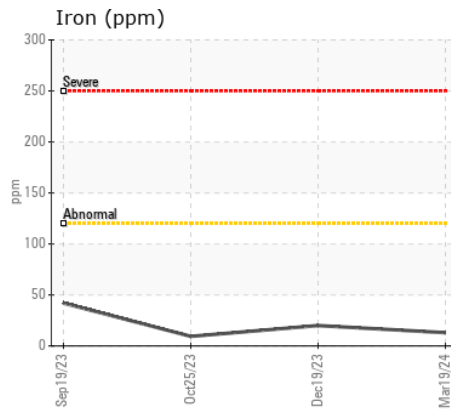
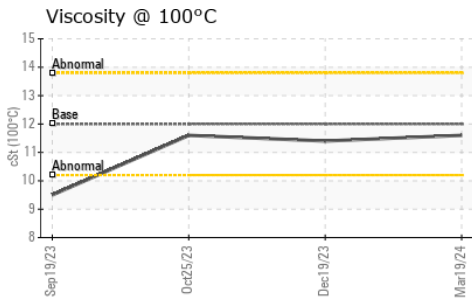
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	<b>3</b>	10	10
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	2	<1
Fuel		WC Method	>3.0	<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*	>4	<b>0.2</b>	0.3	0.1
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.9</b>	8.6	6.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.7</b>	20.3	18.9
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>7</b>	8	5
Boron	ppm	ASTM D5185(m)	2	<b>2</b>	10	16
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)	50	<b>60</b>	63	62
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	950	<b>983</b>	939	927
Calcium	ppm	ASTM D5185(m)	1050	<b>1093</b>	1100	1084
Phosphorus	ppm	ASTM D5185(m)	995	<b>978</b>	952	943
Zinc	ppm	ASTM D5185(m)	1180	<b>1186</b>	1137	1135
Sulfur	ppm	ASTM D5185(m)	2600	<b>2335</b>	2369	2528
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>15.4</b>	16.3	14.6
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	<b>11.6</b>	11.4	11.6



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0107639  
**Lab Number** : 02625168  
**Unique Number** : 5750287  
**Test Package** : MOB 1

**GFL Environmental - 747 - GMA - Solid Waste**  
 4 Chemin du Tremblay,  
 Boucherville, QC  
 CA J4B 6Z5  
 Contact: Steve Voyer  
 svoyer@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: