



Machine Id  
**912073**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA DURON SHP 10W30 (--- 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>GFL0107376</b>	GFL0094168	GFL0076611
Sample Date		Client Info		<b>07 May 2024</b>	15 Nov 2023	31 Aug 2023
Machine Age	hrs	Client Info		<b>5261</b>	4274	3705
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>N/A</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)	>120	<b>8</b>	11	14
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>5</b>	5	3
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>2</b>	1	<1
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>330	<b>5</b>	2	3
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

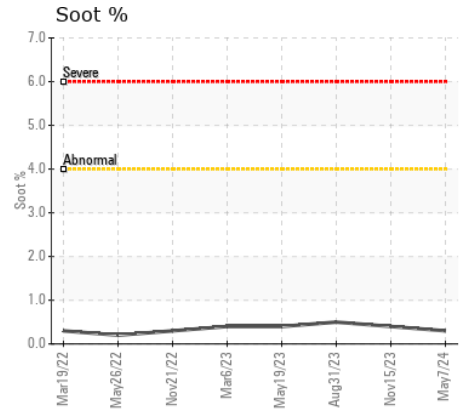
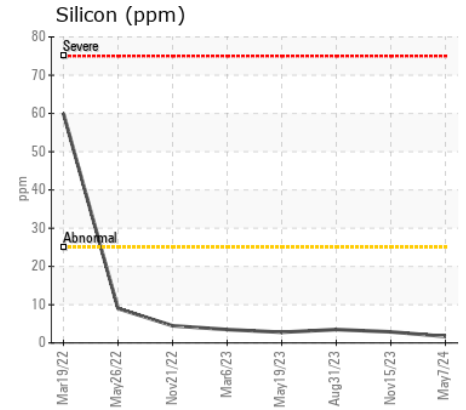
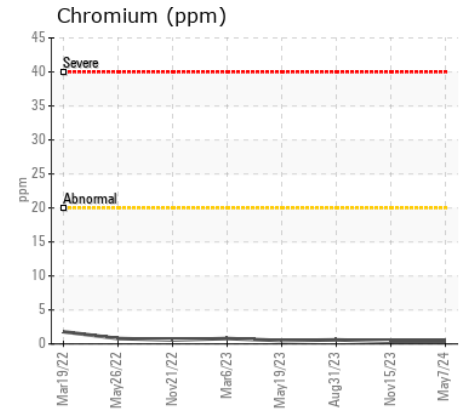
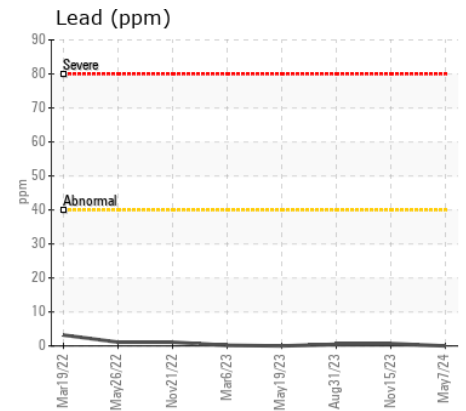
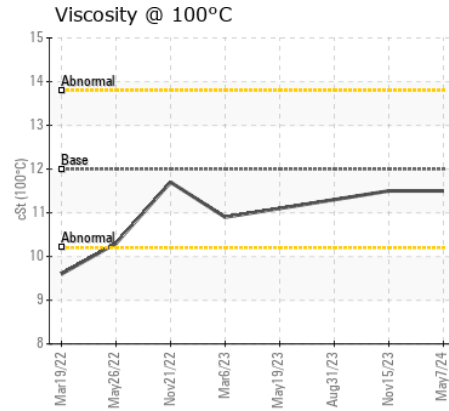
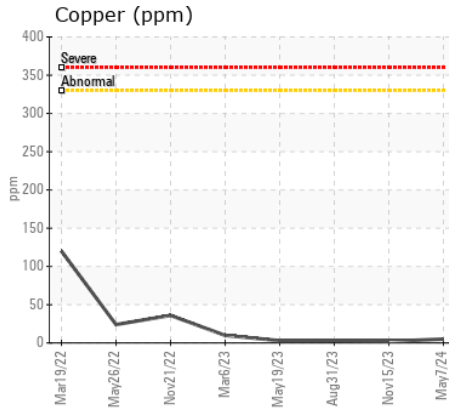
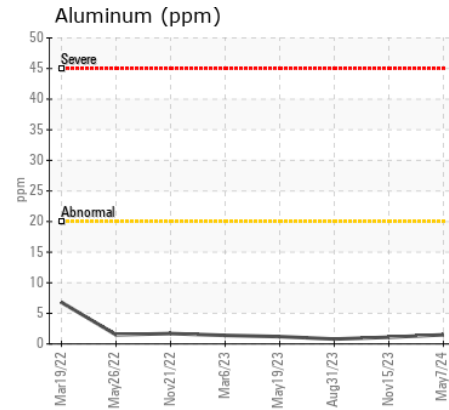
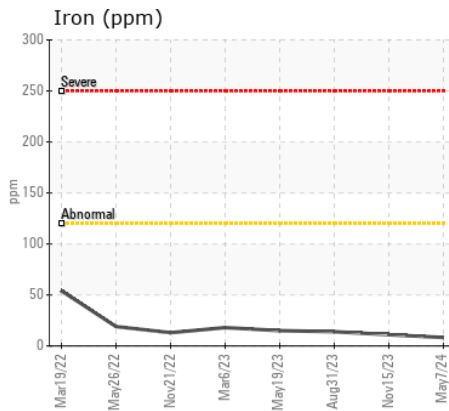
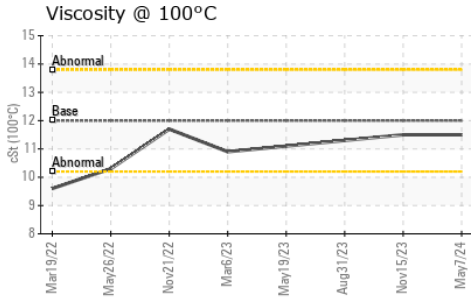
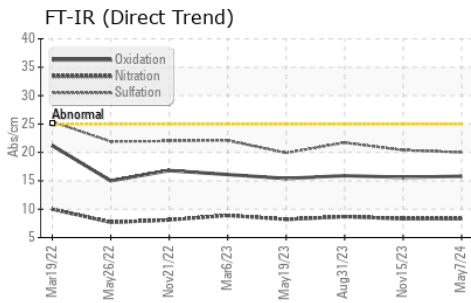
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	<b>2</b>	3	4
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	<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>0.3</b>	0.4	0.5
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.3</b>	8.3	8.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>20.0</b>	20.4	21.7
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>4</b>	4	4
Boron	ppm	ASTM D5185(m)	2	<b>3</b>	2	3
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	50	<b>58</b>	59	59
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185(m)	950	<b>969</b>	969	989
Calcium	ppm	ASTM D5185(m)	1050	<b>1076</b>	1090	1054
Phosphorus	ppm	ASTM D5185(m)	995	<b>931</b>	955	985
Zinc	ppm	ASTM D5185(m)	1180	<b>1181</b>	1179	1197
Sulfur	ppm	ASTM D5185(m)	2600	<b>2354</b>	2253	2228
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>15.8</b>	15.6	15.9
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	<b>11.5</b>	11.5	11.3



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0107376 **Received** : 10 May 2024  
**Lab Number** : 02634447 **Tested** : 10 May 2024  
**Unique Number** : 5775600 **Diagnosed** : 10 May 2024 - Wes Davis  
**Test Package** : MOB 1

**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: