



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



Machine Id  
**411014**  
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>GFL0093676</b>	GFL0101672	GFL0089045
Sample Date		Client Info		<b>07 Mar 2024</b>	25 Oct 2023	18 Sep 2023
Machine Age	hrs	Client Info		<b>6785</b>	6176	5959
Oil Age	hrs	Client Info		<b>0</b>	600	600
Filter Age	hrs	Client Info		<b>0</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)	>120	<b>7</b>	4	8
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	2	1
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	<b>3</b>	2	3
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	1
Copper	ppm	ASTM D5185(m)	>330	<b>3</b>	<1	2
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

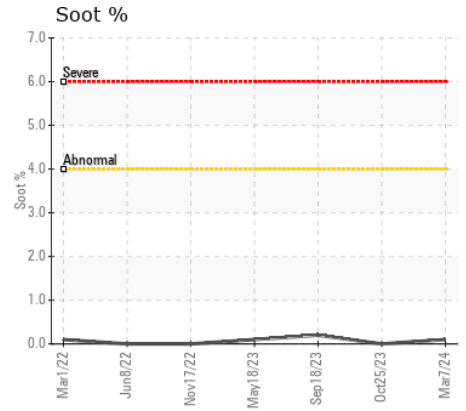
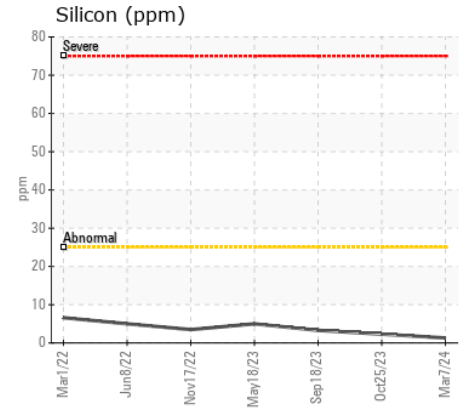
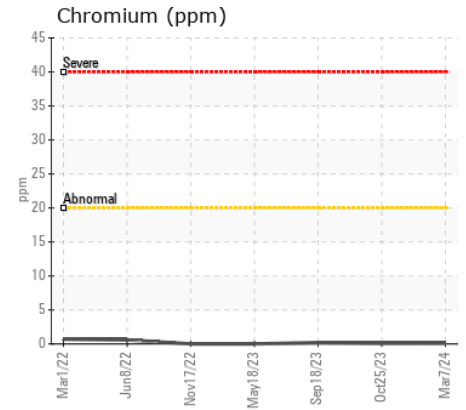
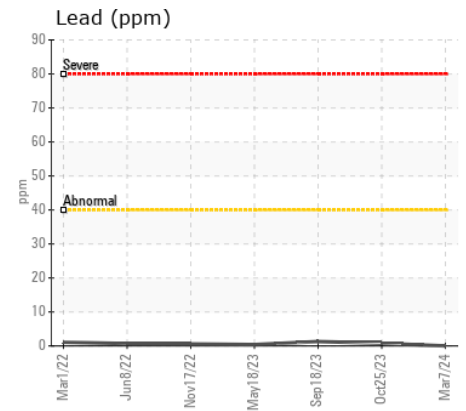
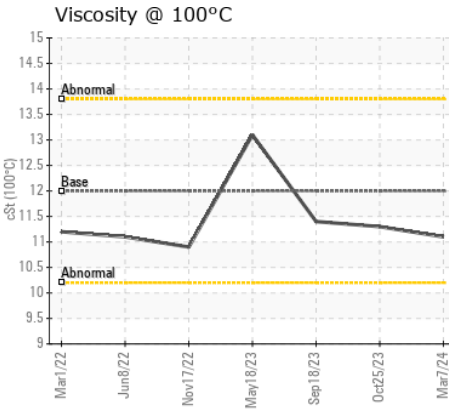
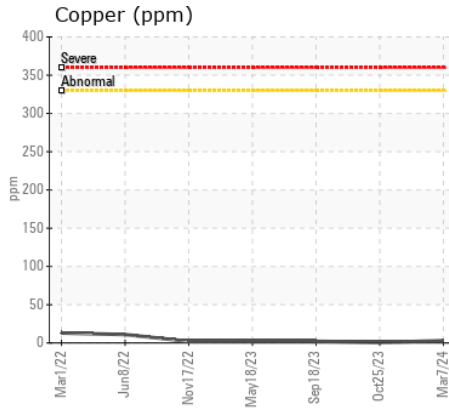
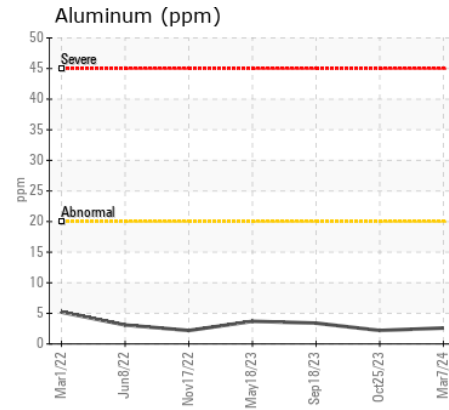
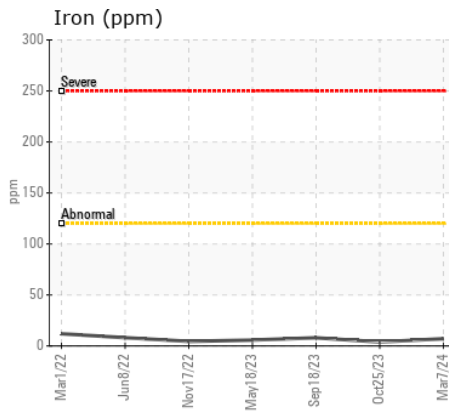
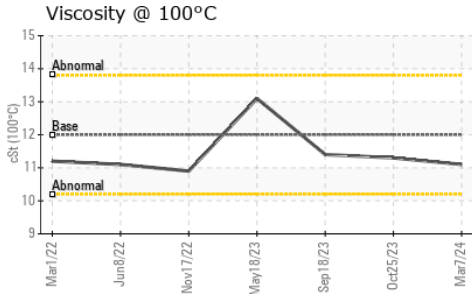
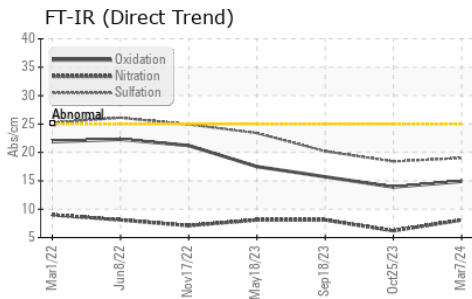
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	<b>1</b>	2	3
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	1	4
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>0.1</b>	0	0.2
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.1</b>	6.2	8.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.0</b>	18.4	20.2
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>2</b>	1	4
Boron	ppm	ASTM D5185(m)	2	<b>2</b>	3	16
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)	50	<b>59</b>	59	67
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185(m)	950	<b>962</b>	958	917
Calcium	ppm	ASTM D5185(m)	1050	<b>1082</b>	1091	1173
Phosphorus	ppm	ASTM D5185(m)	995	<b>981</b>	1027	942
Zinc	ppm	ASTM D5185(m)	1180	<b>1189</b>	1174	1180
Sulfur	ppm	ASTM D5185(m)	2600	<b>2488</b>	2711	2408
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>14.9</b>	13.9	15.7
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	<b>11.1</b>	11.3	11.4



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0093676  
**Lab Number** : 02628350  
**Unique Number** : 5761482  
**Test Package** : MOB 1

**Received** : 12 Apr 2024  
**Tested** : 12 Apr 2024  
**Diagnosed** : 12 Apr 2024 - Wes Davis  
 GFL Environmental - 731 - Granby - Hauling - Solid Waste  
 140 Martin Street,  
 Granby, QC  
 CA J2G 8B4  
 Contact: Simon Lambert  
 slambert@matrec.ca  
 T: (450)641-3070  
 F:

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.