



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

Machine Id  
**811037**

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>GFL0107648</b>	GFL0096471	GFL0061790
Sample Date		Client Info		<b>28 Feb 2024</b>	08 Nov 2023	12 Dec 2022
Machine Age	kms	Client Info		<b>111689</b>	96680	52911
Oil Age	kms	Client Info		<b>0</b>	0	600
Filter Age	kms	Client Info		<b>0</b>	0	600
Oil Changed		Client Info		<b>N/A</b>	N/A	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	Changed
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)	>200	<b>28</b>	63	<1
Chromium	ppm	ASTM D5185(m)	>20	<b>1</b>	2	0
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>30	<b>8</b>	17	<1
Lead	ppm	ASTM D5185(m)	>30	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>30	<b>2</b>	4	0
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

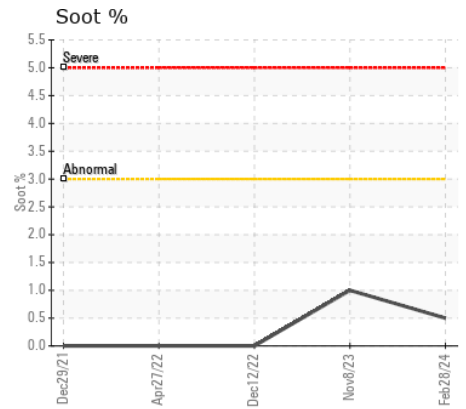
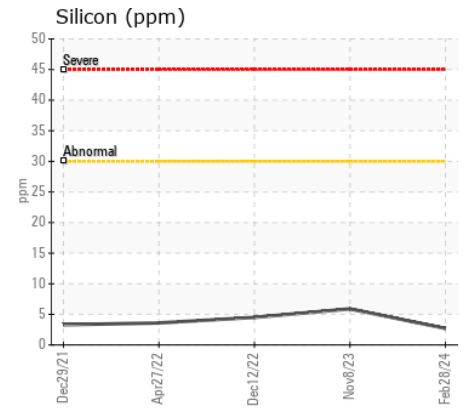
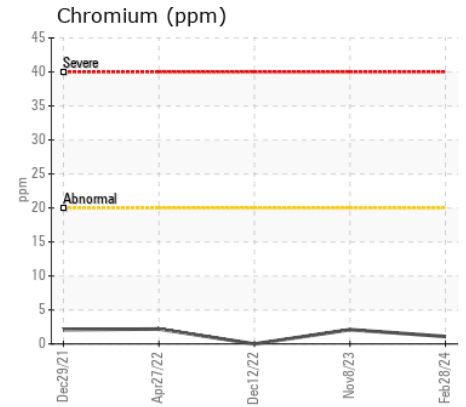
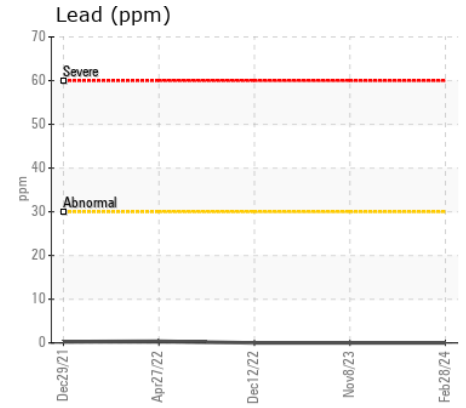
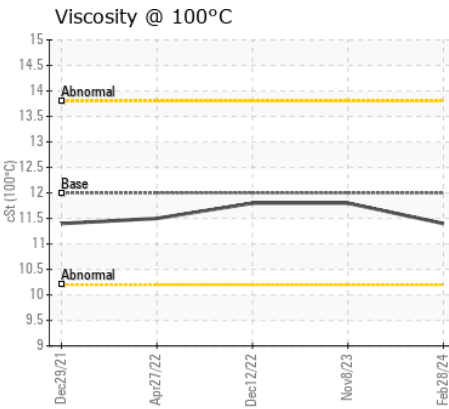
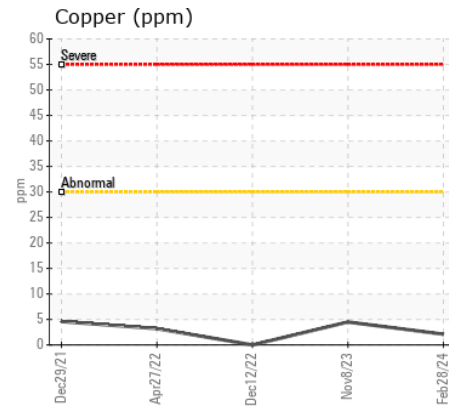
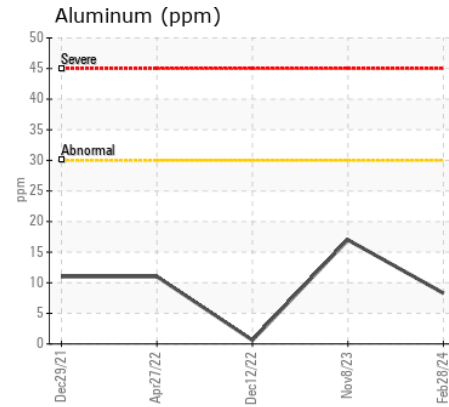
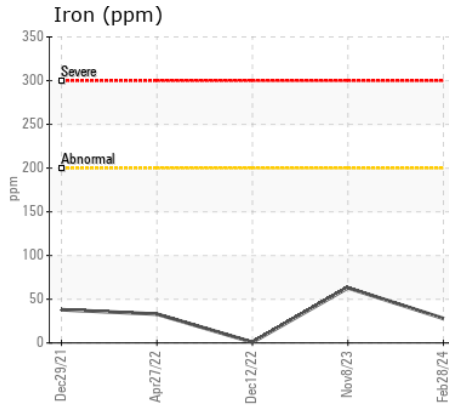
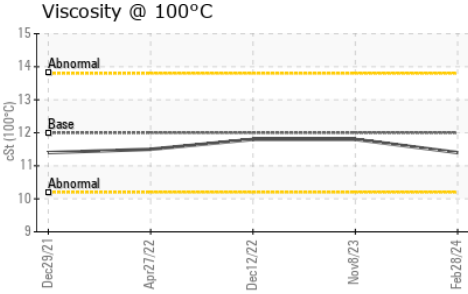
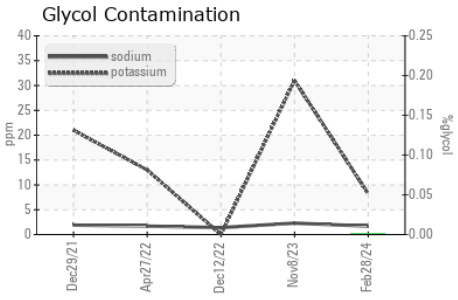
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>30	<b>3</b>	6	4
Potassium	ppm	ASTM D5185(m)	>20	<b>8</b>	31	0
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	%	ASTM D7922*		<b>0.0</b>	NEG	NEG
Soot %	%	ASTM D7844*	>3	<b>0.5</b>	1	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>10.0</b>	12.0	4.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>20.7</b>	25.5	19.5
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>	2	1
Boron	ppm	ASTM D5185(m)	2	<b>3</b>	1	5
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	50	<b>62</b>	64	55
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	950	<b>1010</b>	1027	914
Calcium	ppm	ASTM D5185(m)	1050	<b>1133</b>	1175	1103
Phosphorus	ppm	ASTM D5185(m)	995	<b>1016</b>	1027	1041
Zinc	ppm	ASTM D5185(m)	1180	<b>1207</b>	1263	1134
Sulfur	ppm	ASTM D5185(m)	2600	<b>2469</b>	2269	2675
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>17.6</b>	21.3	13.9
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	<b>11.4</b>	11.8	11.8



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0107648  
**Lab Number** : 02625165  
**Unique Number** : 5750284  
**Test Package** : MOB 1 ( Additional Tests: Glycol )

**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.*

T:  
F: