



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



Machine Id  
**831012**  
Component  
**Natural Gas Engine**  
Fluid  
**PETRO CANADA DURON GEO LD 15W40 (--- 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>GFL0120689</b>	GFL0107579	GFL0079414
Sample Date		Client Info		<b>29 May 2024</b>	08 Mar 2024	01 May 2023
Machine Age	kms	Client Info		<b>0</b>	73387	54367
Oil Age	kms	Client Info		<b>0</b>	600	0
Filter Age	kms	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	N/A	Changed
Filter Changed		Client Info		<b>Changed</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

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

Iron	ppm	ASTM D5185(m)	>50	<b>11</b>	12	27
Chromium	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	2
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>	0	0
Aluminum	ppm	ASTM D5185(m)	>9	<b>2</b>	4	3
Lead	ppm	ASTM D5185(m)	>30	<b>0</b>	2	15
Copper	ppm	ASTM D5185(m)	>35	<b>&lt;1</b>	1	2
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	2
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

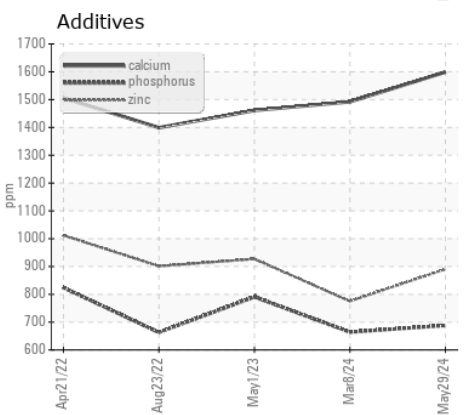
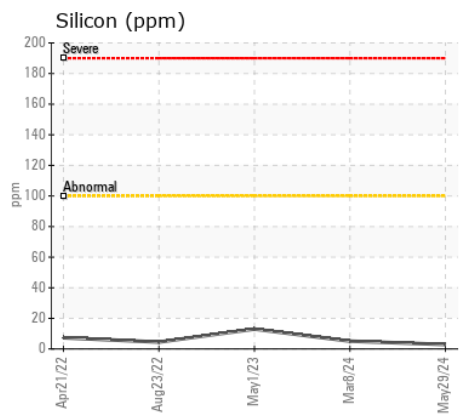
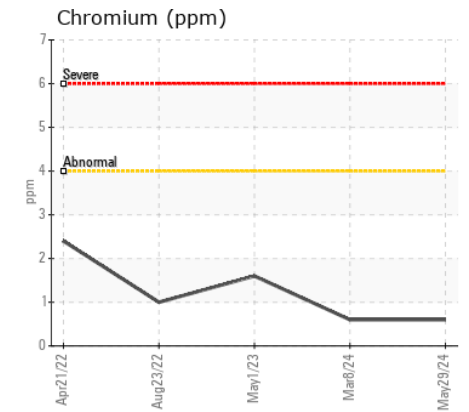
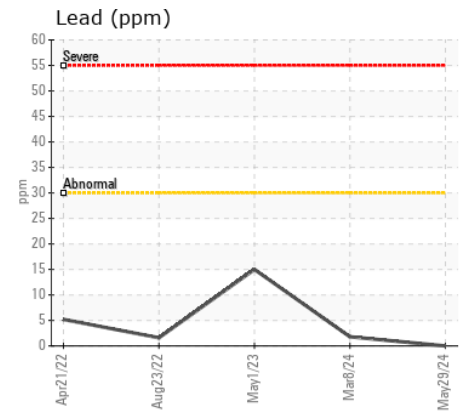
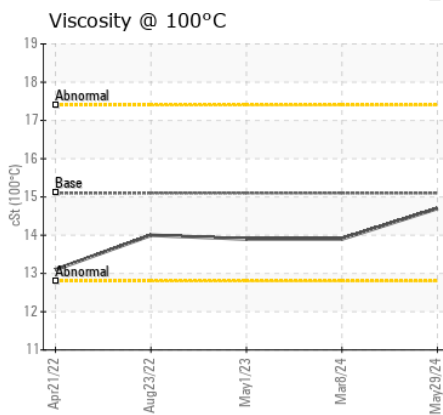
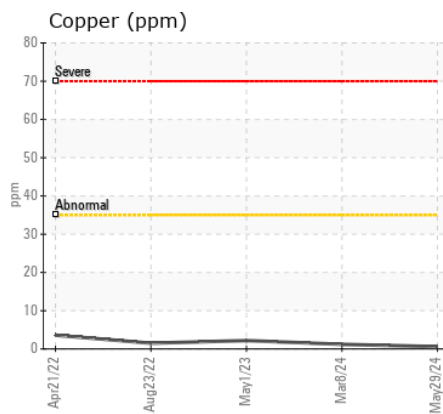
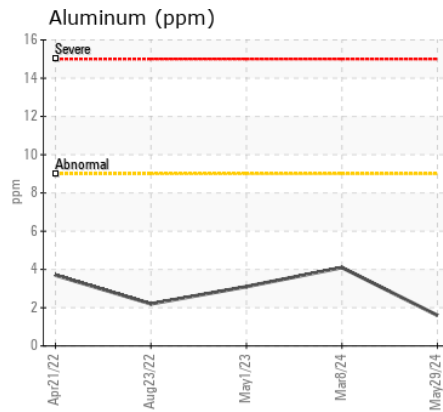
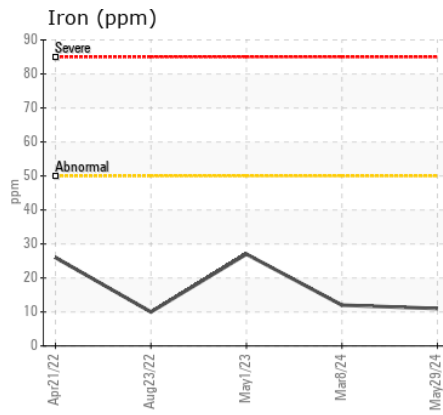
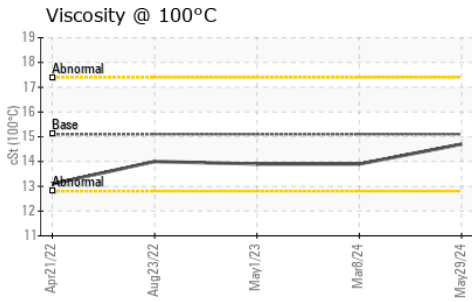
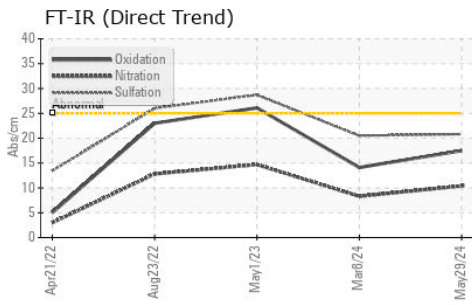
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>+100	<b>3</b>	5	13
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	<1	<1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*		<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>10.4</b>	8.3	14.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>20.8</b>	20.5	28.7
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	<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>	1	6
Boron	ppm	ASTM D5185(m)	50	<b>9</b>	6	8
Barium	ppm	ASTM D5185(m)	5	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	50	<b>58</b>	118	56
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	2
Magnesium	ppm	ASTM D5185(m)	560	<b>544</b>	455	890
Calcium	ppm	ASTM D5185(m)	1510	<b>1599</b>	1492	1461
Phosphorus	ppm	ASTM D5185(m)	780	<b>688</b>	664	791
Zinc	ppm	ASTM D5185(m)	870	<b>890</b>	775	927
Sulfur	ppm	ASTM D5185(m)	2040	<b>1987</b>	2258	2104
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>17.5</b>	14.1	26.1
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	<b>14.7</b>	13.9	13.9



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0120689  
**Lab Number** : 02640134  
**Unique Number** : 5789296  
**Test Package** : MOB 1 ( Additional Tests: Visual )

**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: