



Machine Id  
**901049**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA DURON GEO LD 15W40 (--- GAL)**

### RECOMMENDATION

Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Le fluide était spécifié comme PETRO CANADA DURON GEO LD 15W40, toutefois, une comparaison avec d'autres fluides indiqua que ce fluide est du SAE 10W30 Diesel Engine Oil. Veuillez confirmer la viscosité de l'huile et veuillez préciser la marque de votre prochain échantillon.

### WEAR

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

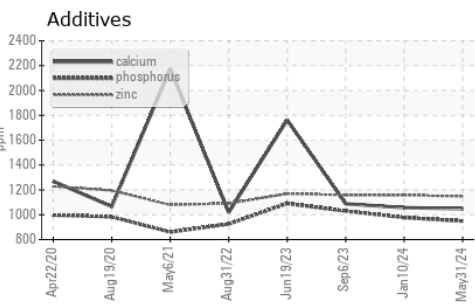
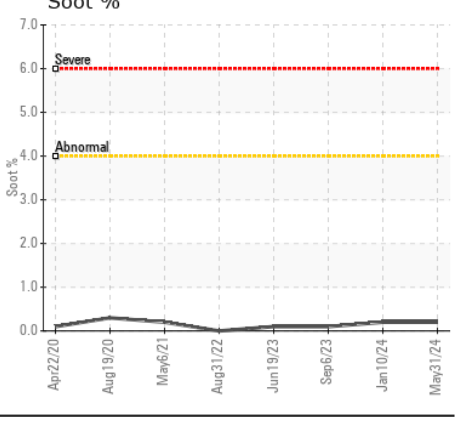
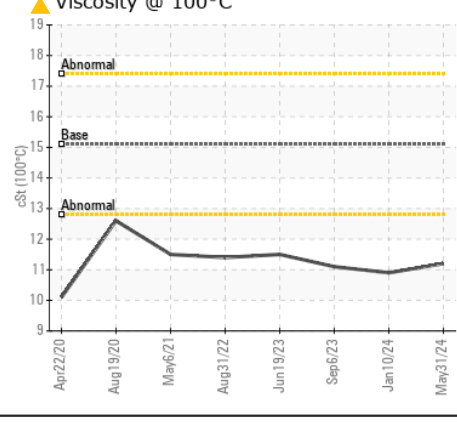
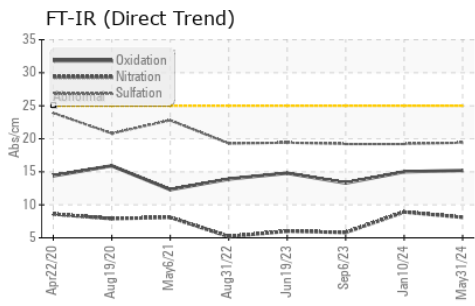
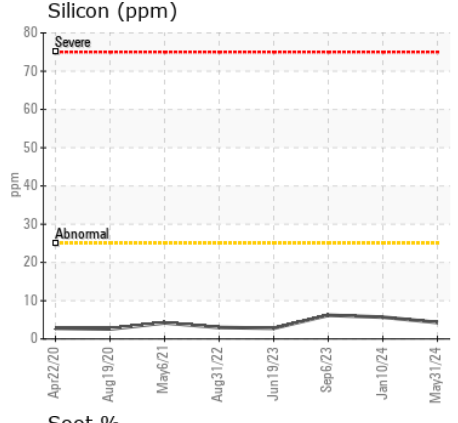
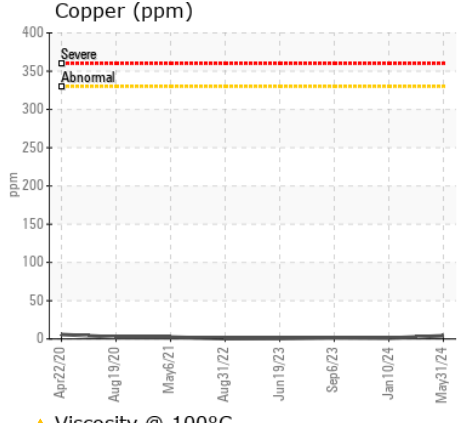
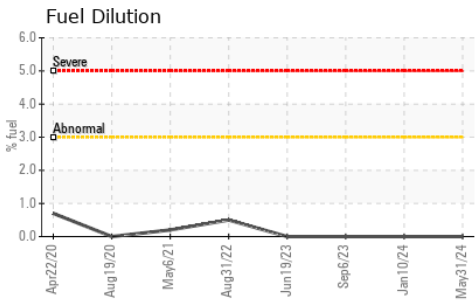
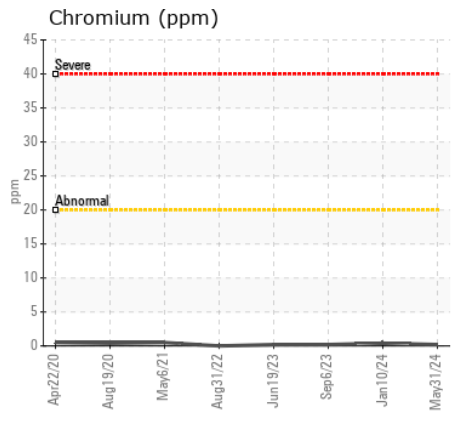
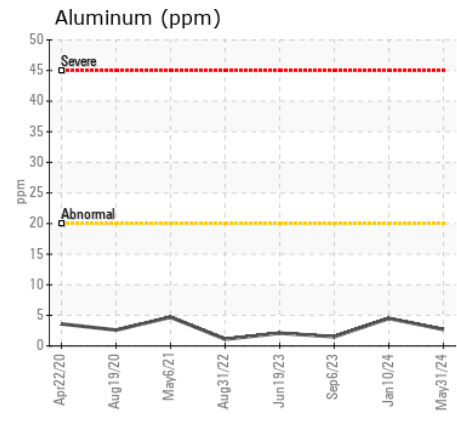
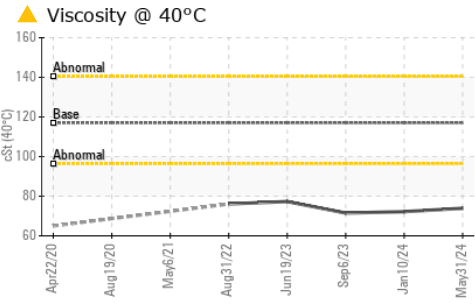
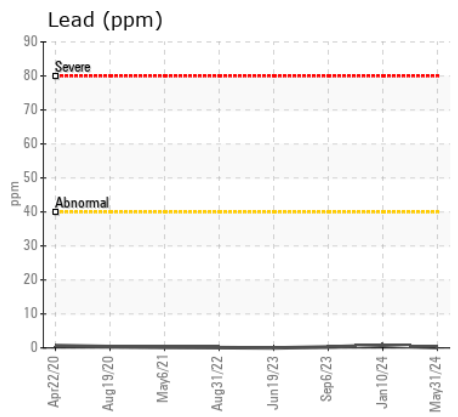
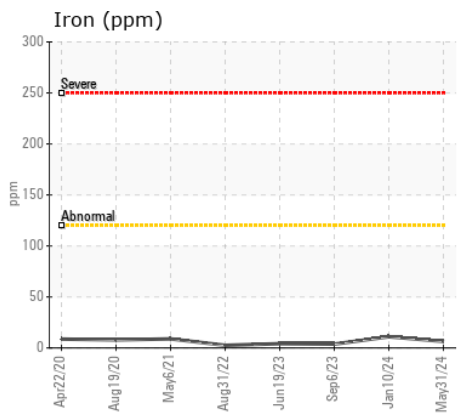
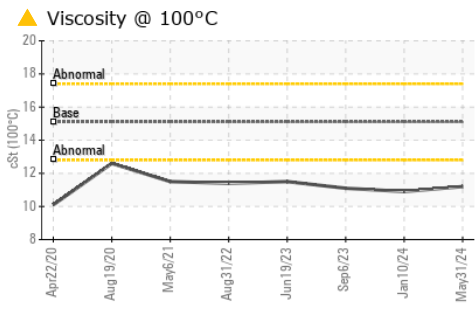
### CONTAMINATION

Les tests n'indiquent aucune trace de carburant dans l'huile. Il n'y a aucun indice de contamination dans l'huile.

### FLUID CONDITION

La viscosité de l'échantillon se situe dans la portée de l'SAE 10W30; nous vous conseillons de vérifier. Ceci, en plus des niveaux d'additifs, indique que la marque ou le type d'huile ne correspond pas à ce qui a été signalé. L'état de l'huile est acceptable pour la durée de service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0088603</b>	PC0081999	PC0073176
Sample Date		Client Info		<b>31 May 2024</b>	10 Jan 2024	06 Sep 2023
Machine Age	kms	Client Info		<b>723666</b>	213443	201740
Oil Age	kms	Client Info		<b>0</b>	0	0
Filter Age	kms	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	Changed	Changed
Sample Status				<b>ABNORMAL</b>	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>120	<b>6</b>	11	4
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	<b>3</b>	4	2
Lead	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>330	<b>4</b>	1	2
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
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>	---	---
Silicon	ppm	ASTM D5185(m)	>25	<b>4</b>	6	6
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Fuel	%	ASTM D7593*	>3.0	<b>0.0</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>	0.2	0.1
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.1</b>	8.9	5.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.4</b>	19.2	19.2
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*	>0.2	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185(m)		<b>4</b>	2	13
Boron	ppm	ASTM D5185(m)	50	<b>9</b>	5	15
Barium	ppm	ASTM D5185(m)	5	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	50	<b>60</b>	59	58
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185(m)	560	<b>910</b>	942	887
Calcium	ppm	ASTM D5185(m)	1510	<b>1048</b>	1057	1088
Phosphorus	ppm	ASTM D5185(m)	780	<b>949</b>	977	1030
Zinc	ppm	ASTM D5185(m)	870	<b>1147</b>	1157	1158
Sulfur	ppm	ASTM D5185(m)	2040	<b>2427</b>	2532	2630
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>15.2</b>	15.0	13.3
Visc @ 40°C	cSt	ASTM D7279(m)	117.0	<b>73.9</b>	72.2	71.5
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	<b>11.2</b>	10.9	11.1
Viscosity Index (VI)	Scale	ASTM D2270*	134	<b>142</b>	140	146



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental - 737 - Quebec City Hauling**  
**Sample No.** : PC0088603 **Received** : 18 Jun 2024 **6205 Boul. Wilfrid Hamel,**  
**Lab Number** : 02642502 **Tested** : 19 Jun 2024 **Quebec City, QC**  
**Unique Number** : 5800041 **Diagnosed** : 19 Jun 2024 - Kevin Marson **CA G2E 5G8**  
**Test Package** : MOB 1 ( Additional Tests: FuelDilution, KV40, PercentFuel, VI, Visual ) **Contact: Dave Beaulieu**  
*To discuss this sample report, contact Customer Service at 1-800-268-2131.* **davebeaulieu@matrec.ca**  
*Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.* **T:**  
*Validity of results and interpretation are based on the sample and information as supplied.* **F:**