



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



Machine Id  
**801239**  
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>PC0083799</b>	CU0022580	PC0075416
Sample Date		Client Info		<b>28 Feb 2024</b>	12 Dec 2023	31 May 2023
Machine Age	kms	Client Info		<b>244477</b>	238308	690702
Oil Age	kms	Client Info		<b>0</b>	1200	0
Filter Age	kms	Client Info		<b>0</b>	1200	0
Oil Changed		Client Info		<b>N/A</b>	Changed	N/A
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)	>50	<b>9</b>	24	21
Chromium	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	2	1
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</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>	3	4
Lead	ppm	ASTM D5185(m)	>30	<b>1</b>	9	1
Copper	ppm	ASTM D5185(m)	>35	<b>&lt;1</b>	1	<1
Tin	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

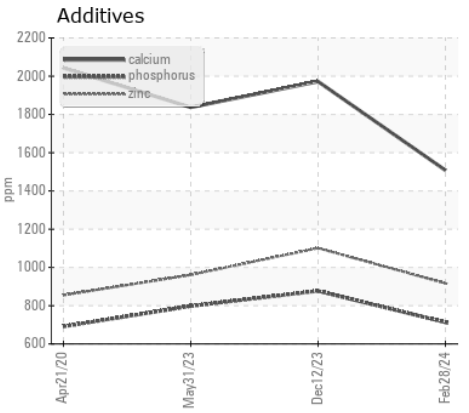
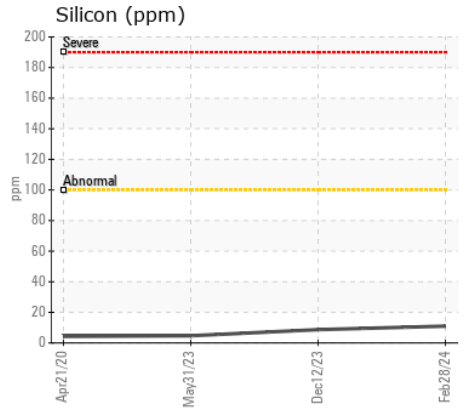
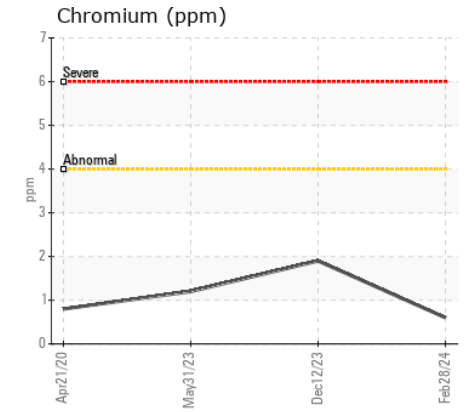
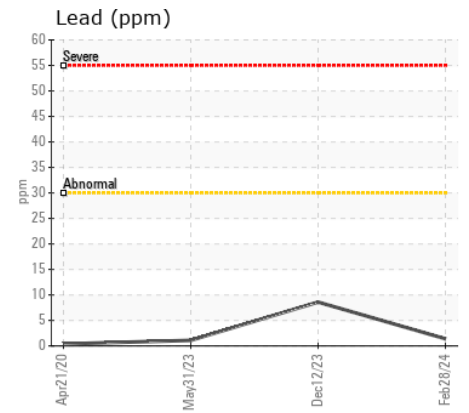
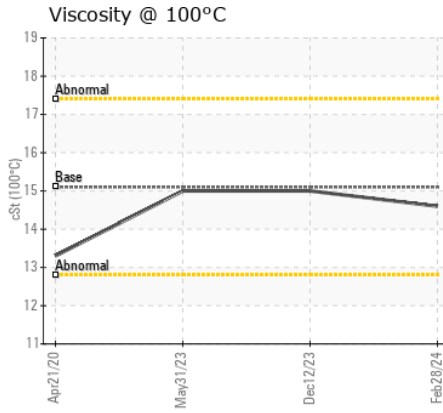
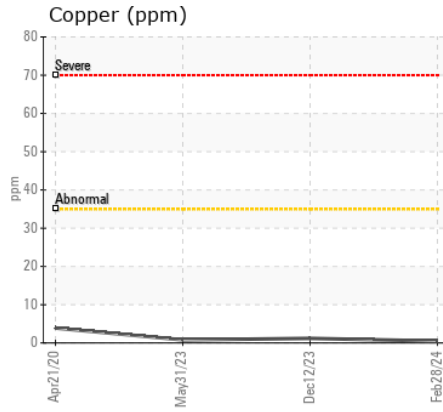
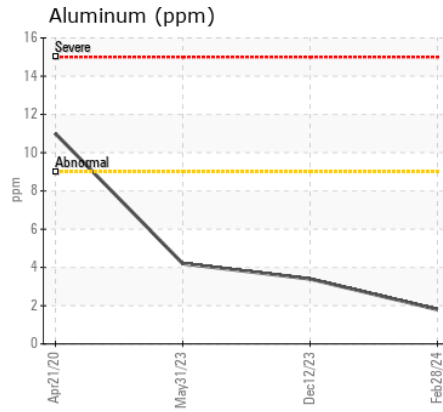
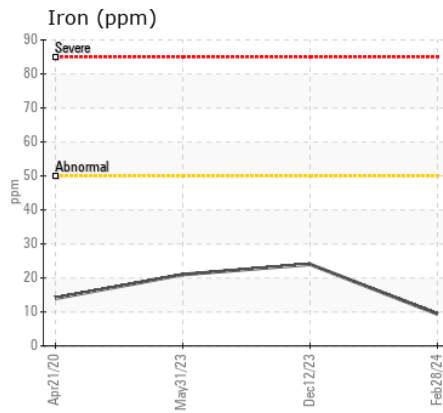
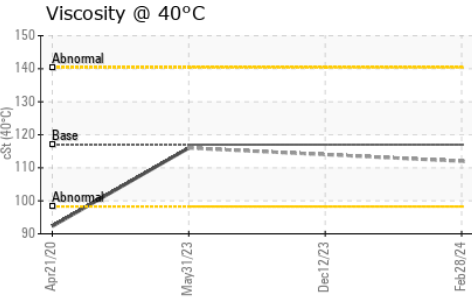
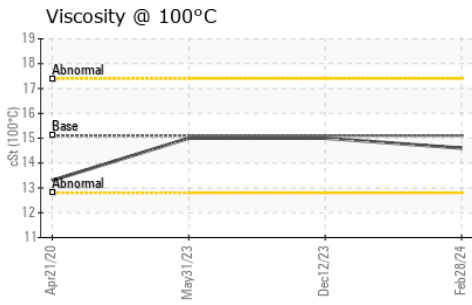
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>+100	<b>11</b>	9	5
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	0	0
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>11.2</b>	13.3	12.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>22.2</b>	28.7	24.0
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>4</b>	10	8
Boron	ppm	ASTM D5185(m)	50	<b>14</b>	10	11
Barium	ppm	ASTM D5185(m)	5	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	50	<b>54</b>	66	57
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	560	<b>707</b>	713	614
Calcium	ppm	ASTM D5185(m)	1510	<b>1508</b>	1972	1837
Phosphorus	ppm	ASTM D5185(m)	780	<b>713</b>	877	798
Zinc	ppm	ASTM D5185(m)	870	<b>917</b>	1101	961
Sulfur	ppm	ASTM D5185(m)	2040	<b>2155</b>	2185	2086
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>18.5</b>	23.8	19.6
Visc @ 40°C	cSt	ASTM D7279(m)	117.0	<b>112</b>	---	116
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	<b>14.6</b>	15.0	15.0
Viscosity Index (VI)	Scale	ASTM D2270*	134	<b>133</b>	---	133



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0083799 **Received** : 08 Mar 2024  
**Lab Number** : 02620766 **Tested** : 08 Mar 2024  
**Unique Number** : 5737876 **Diagnosed** : 08 Mar 2024 - Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: KV40, VI )

**GFL Environmental - 742 - Quebec City Solid Waste**  
 5160 Jean-Talon Pierre-Bertrand Bou  
 Quebec City, QC  
 CA G2J 1B7  
 Contact: Jean Audet  
 Jaudet@matrec.ca  
 T: (418)624-0080  
 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.