



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



Machine Id  
**830016**  
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>PC0088474</b>	PC0077572	PC0075426
Sample Date		Client Info		<b>16 Apr 2024</b>	25 Sep 2023	12 Jun 2023
Machine Age	kms	Client Info		<b>103643</b>	0	84179
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>Changed</b>	N/A	N/A
Filter Changed		Client Info		<b>Changed</b>	N/A	N/A
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)	>50	<b>21</b>	14	34
Chromium	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	2
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	2
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>9	<b>2</b>	6	12
Lead	ppm	ASTM D5185(m)	>30	<b>0</b>	2	12
Copper	ppm	ASTM D5185(m)	>35	<b>1</b>	1	4
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>	---	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	NONE

### CONTAMINATION

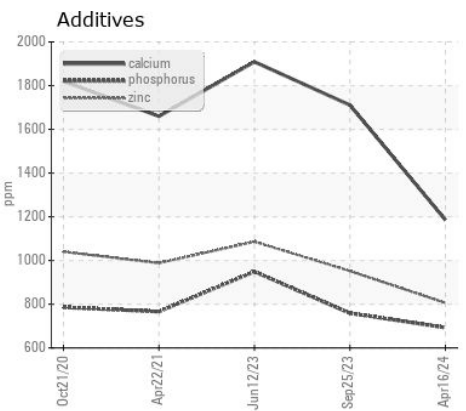
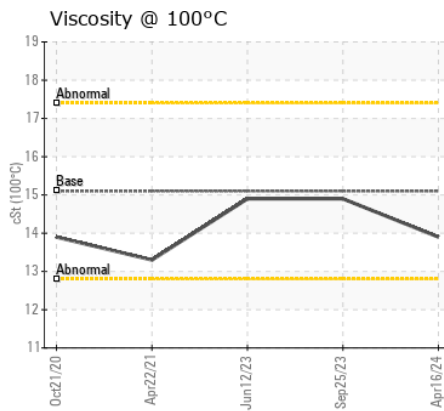
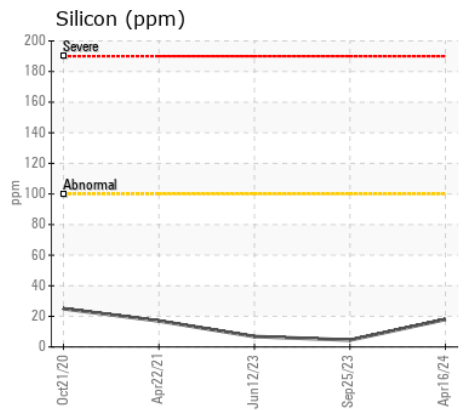
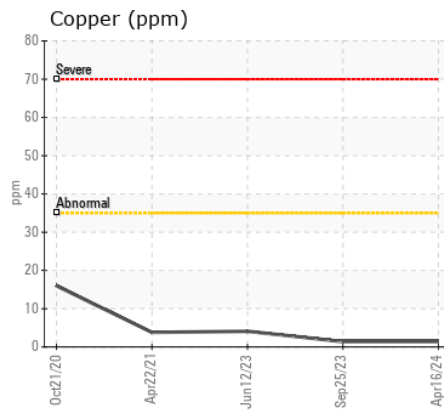
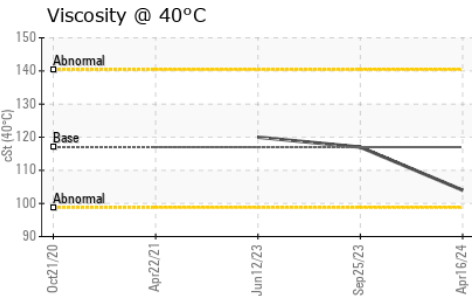
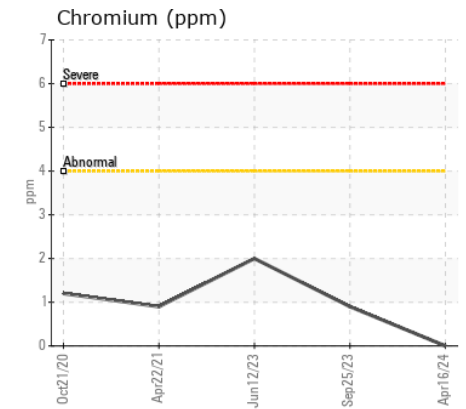
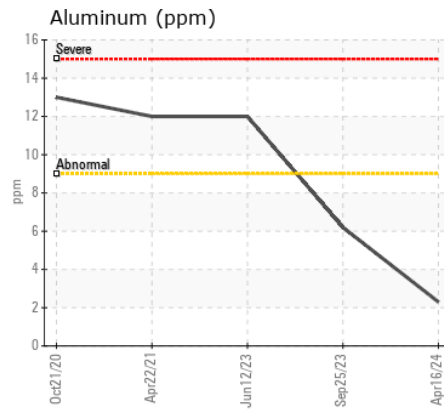
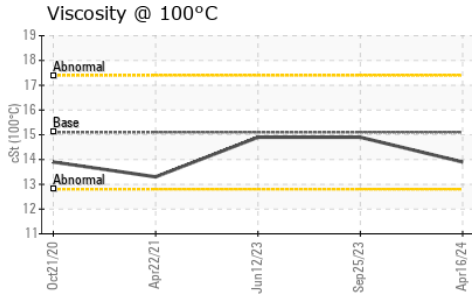
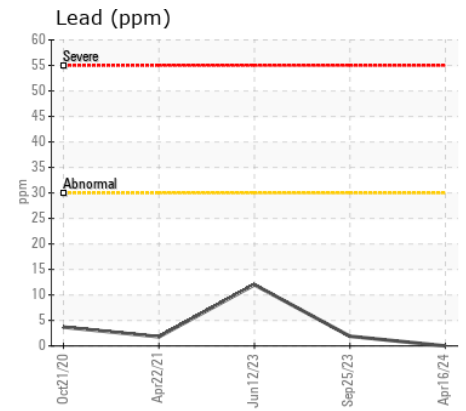
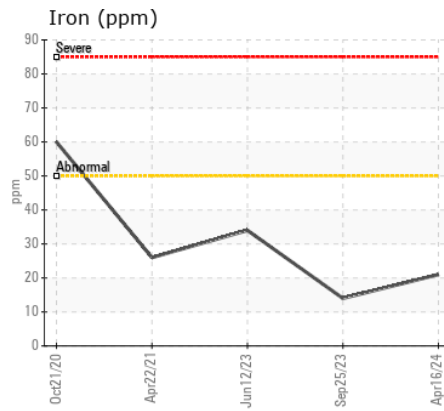
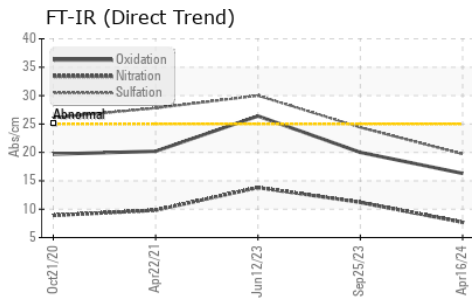
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>+100	<b>18</b>	4	7
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	4	2
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>7.7</b>	11.2	13.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.7</b>	24.4	30.0
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	VLITE
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	NORML
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>11</b>	10	17
Boron	ppm	ASTM D5185(m)	50	<b>35</b>	8	11
Barium	ppm	ASTM D5185(m)	5	<b>3</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	50	<b>50</b>	56	65
Manganese	ppm	ASTM D5185(m)	0	<b>3</b>	<1	1
Magnesium	ppm	ASTM D5185(m)	560	<b>757</b>	616	718
Calcium	ppm	ASTM D5185(m)	1510	<b>1186</b>	1711	1909
Phosphorus	ppm	ASTM D5185(m)	780	<b>693</b>	759	949
Zinc	ppm	ASTM D5185(m)	870	<b>806</b>	952	1086
Sulfur	ppm	ASTM D5185(m)	2040	<b>1973</b>	1993	2117
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>16.3</b>	20.0	26.4
Visc @ 40°C	cSt	ASTM D7279(m)	117.0	<b>104</b>	117	120
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	<b>13.9</b>	14.9	14.9
Viscosity Index (VI)	Scale	ASTM D2270*	134	<b>134</b>	131	127



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0088474  
**Lab Number** : 02631569  
**Unique Number** : 5772722  
**Test Package** : MOB 1 ( Additional Tests: KV40, VI, Visual )  
**Received** : 26 Apr 2024  
**Tested** : 26 Apr 2024  
**Diagnosed** : 26 Apr 2024 - Wes Davis

**GFL Environmental - 737 - Quebec City Hauling**  
 6205 Boul. Wilfrid Hamel,  
 Quebec City, QC  
 CA G2E 5G8  
 Contact: Dave Beaulieu  
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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.