



# OIL ANALYSIS REPORT

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



Machine Id  
**801236**  
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>CU0023107</b>	PC0088691	CU0023101
Sample Date		Client Info		<b>09 May 2024</b>	18 Mar 2024	13 Mar 2024
Machine Age	hrs	Client Info		<b>42682</b>	2999	250986
Oil Age	hrs	Client Info		<b>1200</b>	0	1200
Filter Age	hrs	Client Info		<b>1200</b>	0	1200
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>6</b>	19	39
Chromium	ppm	ASTM D5185(m)	>4	<b>0</b>	1	2
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>9	<b>2</b>	7	7
Lead	ppm	ASTM D5185(m)	>30	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>35	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	<1
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

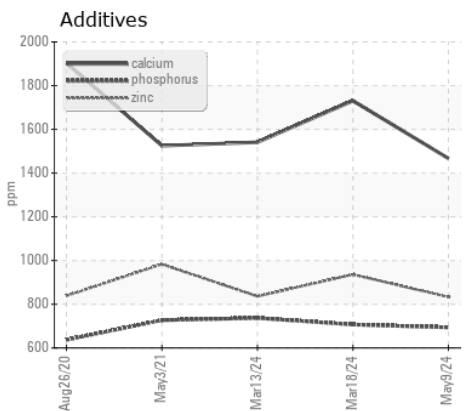
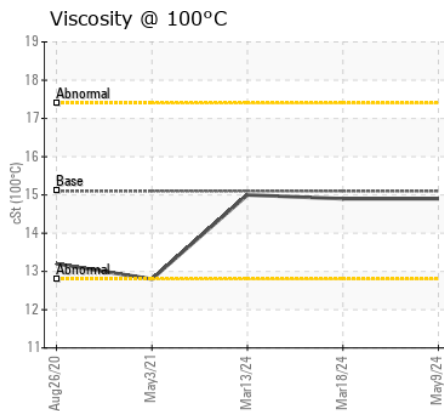
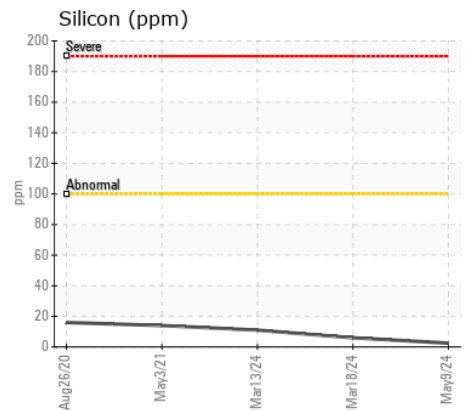
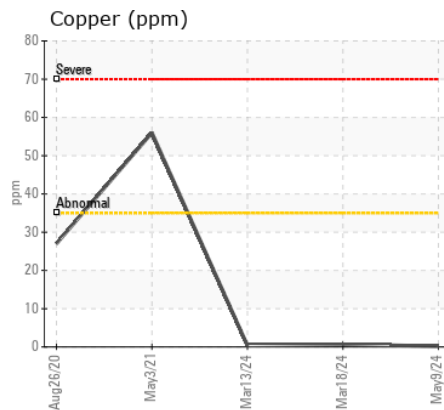
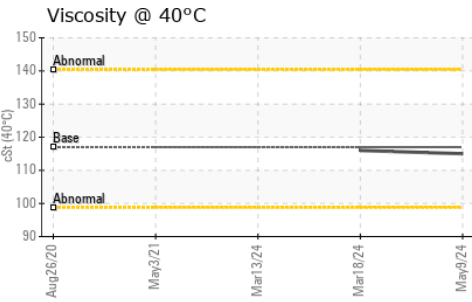
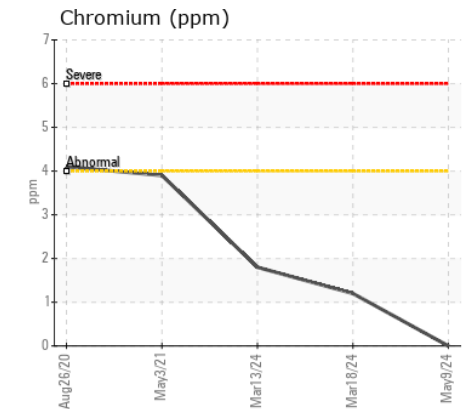
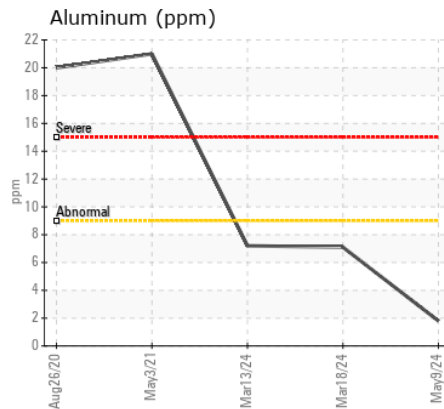
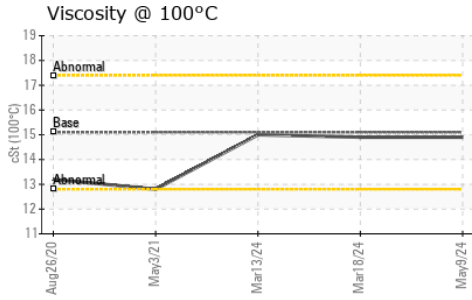
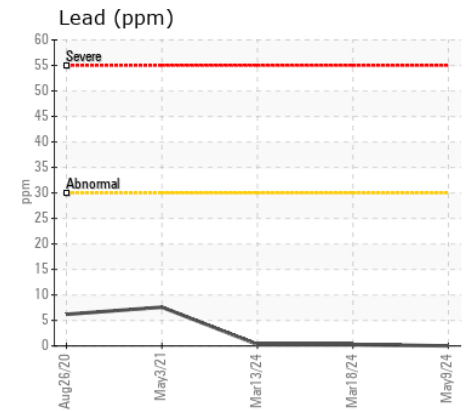
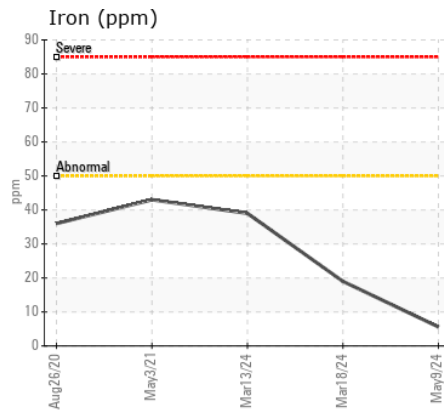
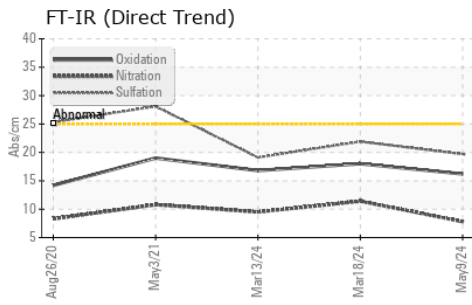
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>+100	<b>2</b>	6	11
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	<1	<1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>---</b>	---	---
Soot %	%	ASTM D7844*		<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.8</b>	11.4	9.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.7</b>	21.9	19.1
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	LIGHT	---
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>8</b>	8	6
Boron	ppm	ASTM D5185(m)	50	<b>28</b>	11	19
Barium	ppm	ASTM D5185(m)	5	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	50	<b>47</b>	54	50
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	560	<b>531</b>	565	530
Calcium	ppm	ASTM D5185(m)	1510	<b>1467</b>	1731	1541
Phosphorus	ppm	ASTM D5185(m)	780	<b>694</b>	707	737
Zinc	ppm	ASTM D5185(m)	870	<b>833</b>	936	836
Sulfur	ppm	ASTM D5185(m)	2040	<b>1922</b>	1985	2027
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>16.2</b>	18.0	16.8
Visc @ 40°C	cSt	ASTM D7279(m)	117.0	<b>115</b>	116	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	<b>14.9</b>	14.9	15.0
Viscosity Index (VI)	Scale	ASTM D2270*	134	<b>133</b>	132	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : CU0023107  
**Lab Number** : 02634666  
**Unique Number** : 5775819  
**Test Package** : MOB 1 ( Additional Tests: KV40, VI, Visual )

**GFL Environmental - 742 - Quebec City Solid Waste**  
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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.*