



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



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		PC0088691	CU0023101	GFL0015546
Sample Date		Client Info		18 Mar 2024	13 Mar 2024	03 May 2021
Machine Age	hrs	Client Info		2999	250986	12207
Oil Age	hrs	Client Info		0	1200	600
Filter Age	hrs	Client Info		0	1200	600
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>50	19	39	43
Chromium	ppm	ASTM D5185(m)	>4	1	2	4
Nickel	ppm	ASTM D5185(m)	>2	<1	1	2
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>9	7	7	21
Lead	ppm	ASTM D5185(m)	>30	<1	<1	8
Copper	ppm	ASTM D5185(m)	>35	<1	<1	56
Tin	ppm	ASTM D5185(m)	>4	<1	<1	1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

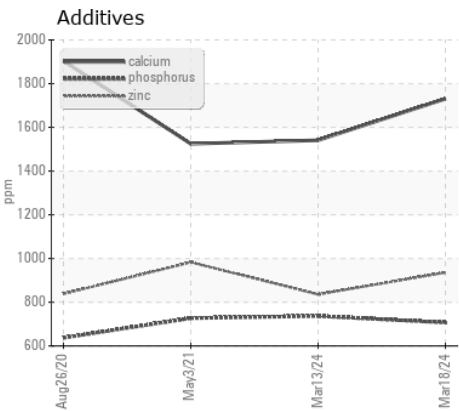
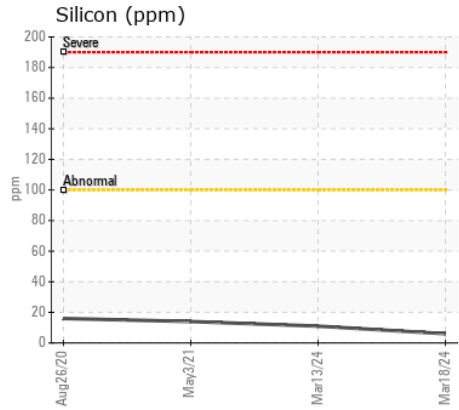
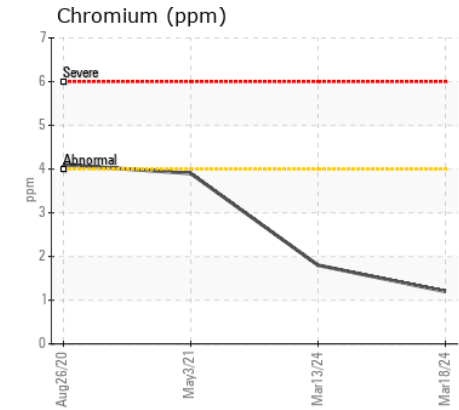
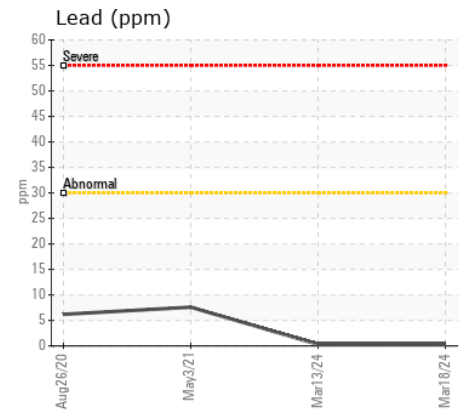
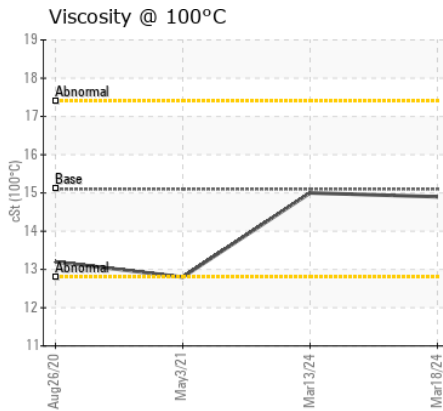
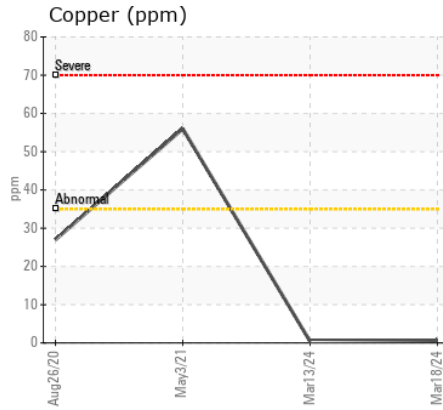
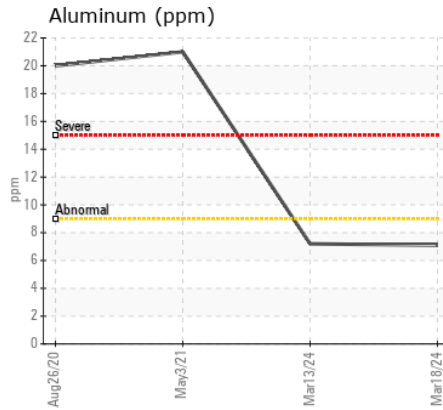
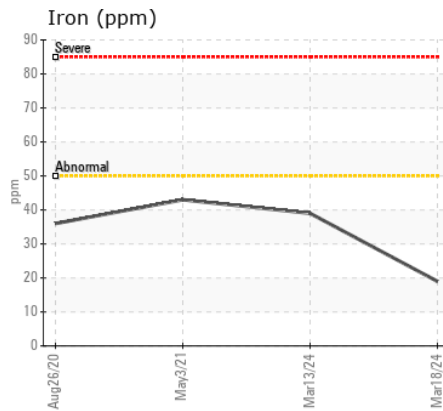
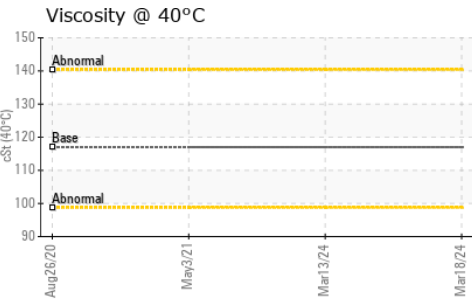
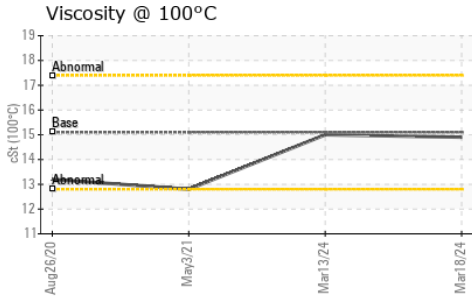
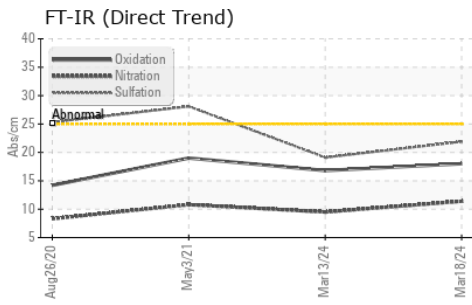
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>+100	6	11	14
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	118
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		---	---	0.0
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	11.4	9.5	10.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.9	19.1	28.1
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	LIGHT	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

FLUID CONDITION

L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		8	6	140
Boron	ppm	ASTM D5185(m)	50	11	19	2
Barium	ppm	ASTM D5185(m)	5	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	50	54	50	82
Manganese	ppm	ASTM D5185(m)	0	<1	<1	1
Magnesium	ppm	ASTM D5185(m)	560	565	530	524
Calcium	ppm	ASTM D5185(m)	1510	1731	1541	1525
Phosphorus	ppm	ASTM D5185(m)	780	707	737	727
Zinc	ppm	ASTM D5185(m)	870	936	836	983
Sulfur	ppm	ASTM D5185(m)	2040	1985	2027	2105
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.0	16.8	19.0
Visc @ 40°C	cSt	ASTM D7279(m)	117.0	116	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	14.9	15.0	12.8
Viscosity Index (VI)	Scale	ASTM D2270*	134	132	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088691 **Received** : 26 Apr 2024
Lab Number : 02631537 **Tested** : 26 Apr 2024
Unique Number : 5772690 **Diagnosed** : 26 Apr 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: KV40, VI, Visual)

GFL Environmental - 742 - Quebec City Solid Waste
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 Quebec City, QC
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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.