



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
930015

Component
Diesel 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		PC0088692	CU0022584	PC0075423
Sample Date		Client Info		24 Apr 2024	13 Nov 2023	14 Jun 2023
Machine Age	kms	Client Info		103512	84670	72758
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	N/A
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

Iron	ppm	ASTM D5185(m)	>90	42	11	18
Chromium	ppm	ASTM D5185(m)	>20	3	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	2	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	<1	0	0
Silver	ppm	ASTM D5185(m)	>2	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	38	8	13
Lead	ppm	ASTM D5185(m)	>40	23	<1	<1
Copper	ppm	ASTM D5185(m)	>330	5	<1	1
Tin	ppm	ASTM D5185(m)	>15	2	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	---	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	---	NONE

CONTAMINATION

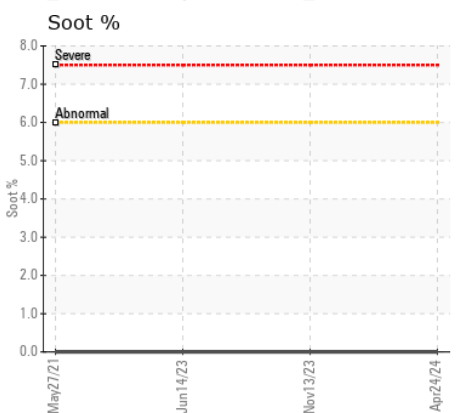
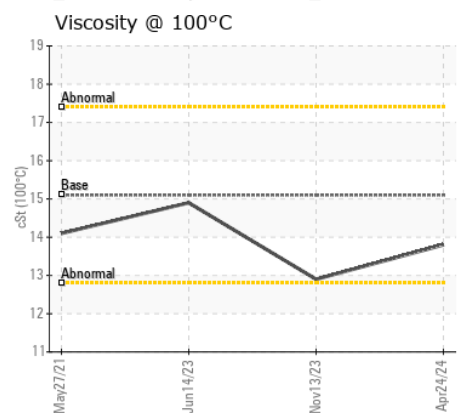
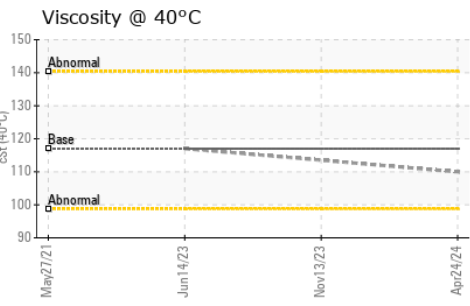
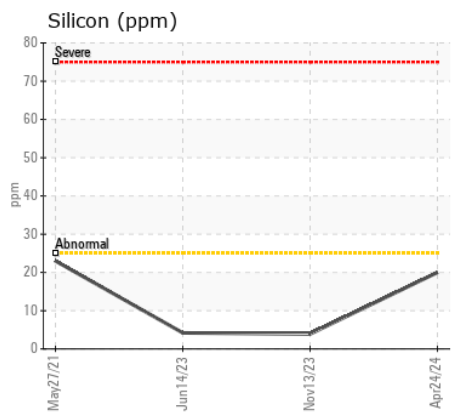
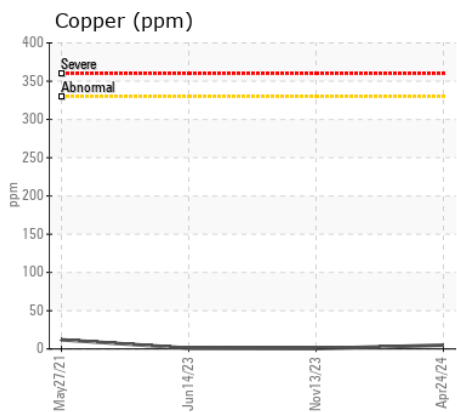
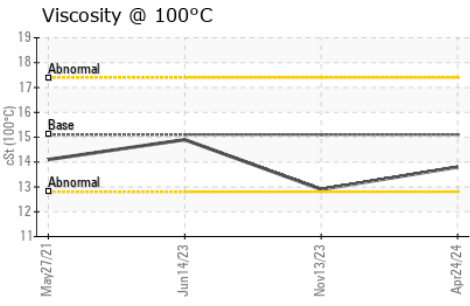
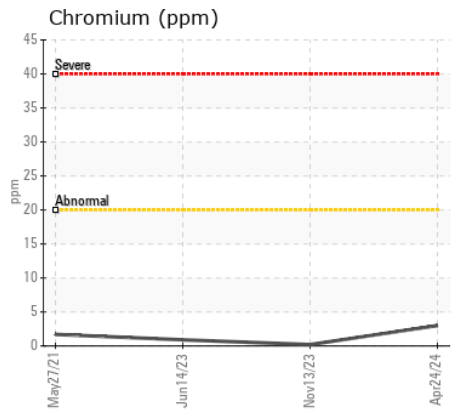
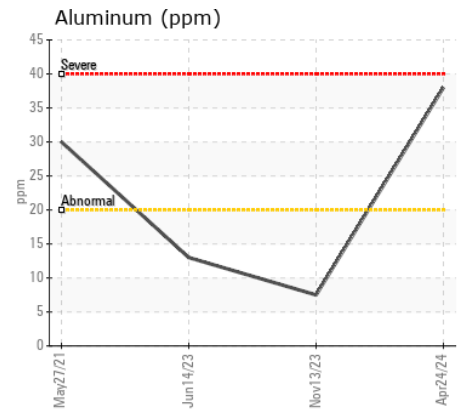
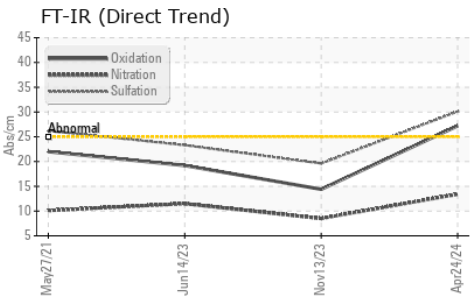
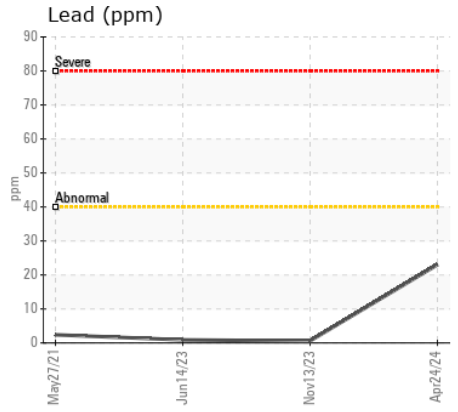
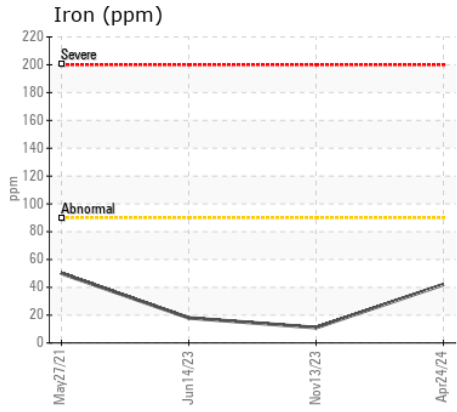
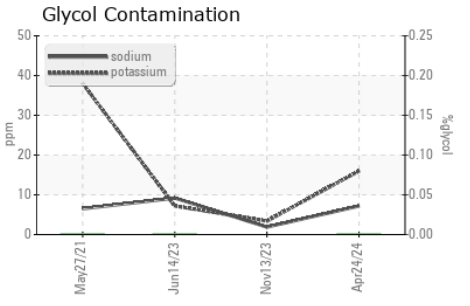
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	20	4	4
Potassium	ppm	ASTM D5185(m)	>20	16	3	7
Fuel		WC Method	>3.0	<1.0	0.4	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		0.0	NEG	0.0
Soot %	%	ASTM D7844*	>6	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	13.4	8.5	11.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	30.1	19.6	23.3
Silt	scalar	Visual*	NONE	NONE	---	NONE
Debris	scalar	Visual*	NONE	NONE	---	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	---	NONE
Appearance	scalar	Visual*	NORML	NORML	---	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		7	2	9
Boron	ppm	ASTM D5185(m)	50	3	18	8
Barium	ppm	ASTM D5185(m)	5	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	50	64	35	53
Manganese	ppm	ASTM D5185(m)	0	1	0	<1
Magnesium	ppm	ASTM D5185(m)	560	898	294	634
Calcium	ppm	ASTM D5185(m)	1510	1585	1915	1624
Phosphorus	ppm	ASTM D5185(m)	780	849	831	787
Zinc	ppm	ASTM D5185(m)	870	1038	1031	955
Sulfur	ppm	ASTM D5185(m)	2040	2128	2517	1986
Oxidation	Abs/.1mm	ASTM D7414*	>25	27.2	14.4	19.2
Visc @ 40°C	cSt	ASTM D7279(m)	117.0	110	---	117
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	13.8	12.9	14.9
Viscosity Index (VI)	Scale	ASTM D2270*	134	124	---	131



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088692
Lab Number : 02631540
Unique Number : 5772693
Test Package : MOB 1 (Additional Tests: Glycol, KV40, VI, Visual)
Received : 26 Apr 2024
Tested : 26 Apr 2024
Diagnosed : 29 Apr 2024 - Kevin Marson

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.