



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Machine Id
801239
Component
Natural Gas Engine
Fluid
PETRO CANADA DURON GEO LD 15W40 (--- GAL)

RECOMMENDATION

Nous vous recommandons de vérifier la source de l'infiltration d'eau. Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0088666	PC0083799	CU0022580
Sample Date		Client Info		14 May 2024	28 Feb 2024	12 Dec 2023
Machine Age	kms	Client Info		249109	244477	238308
Oil Age	kms	Client Info		0	0	1200
Filter Age	kms	Client Info		0	0	1200
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>50	16	9	24
Chromium	ppm	ASTM D5185(m)	>4	1	<1	2
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>9	2	2	3
Lead	ppm	ASTM D5185(m)	>30	<1	1	9
Copper	ppm	ASTM D5185(m)	>35	<1	<1	1
Tin	ppm	ASTM D5185(m)	>4	<1	<1	1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	---	NONE
Yellow Metal	scalar	Visual*	NONE	VLITE	---	NONE

CONTAMINATION

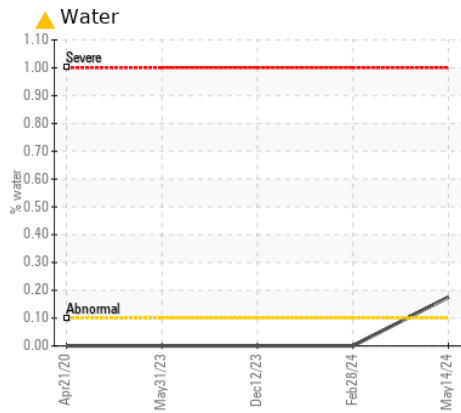
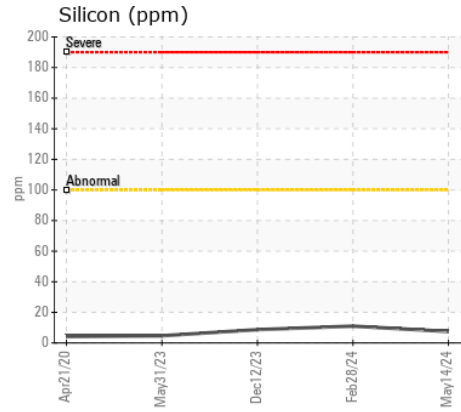
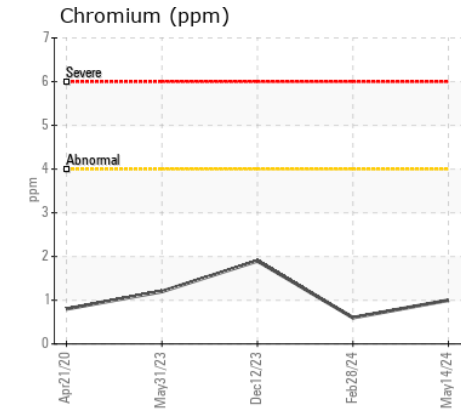
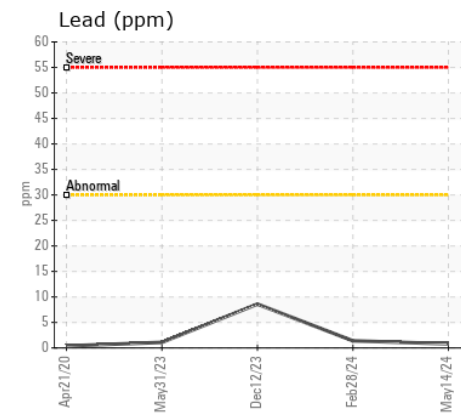
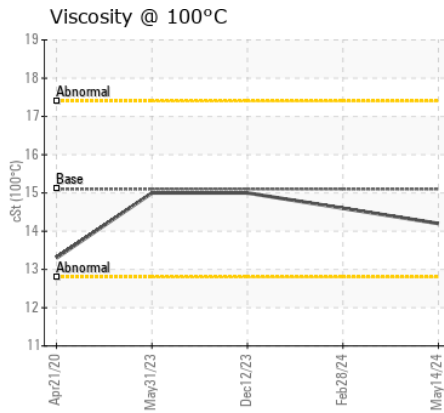
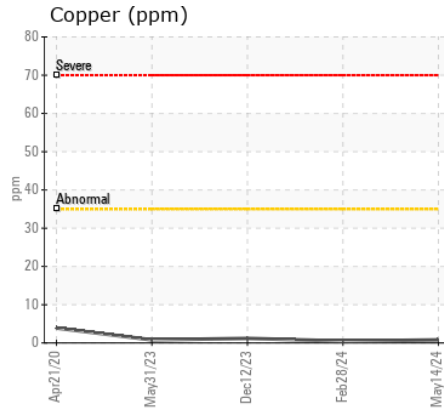
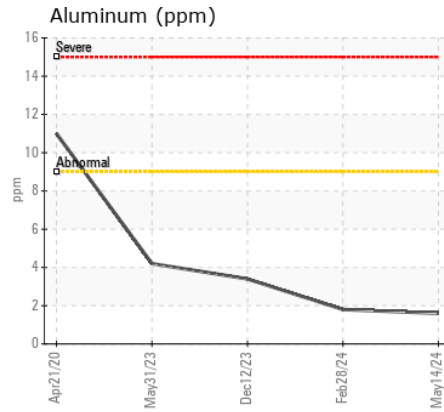
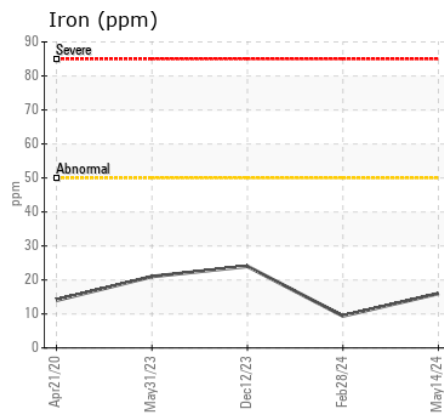
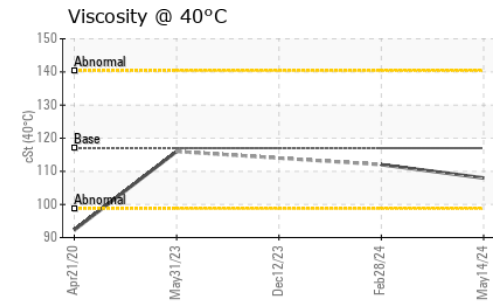
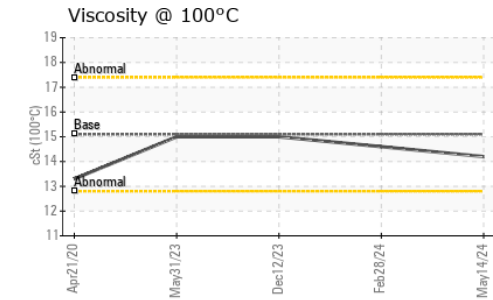
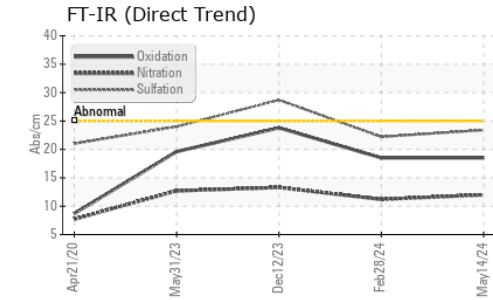
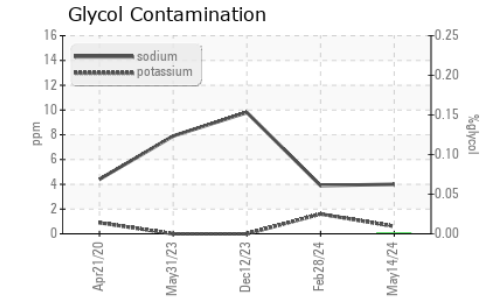
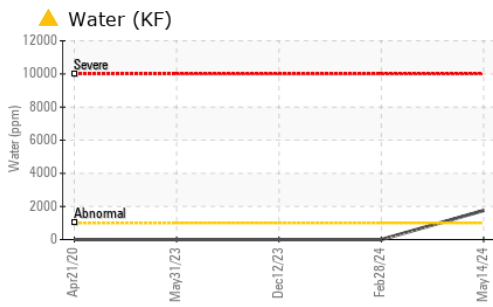
Concentration modérée d'eau dans l'huile. Le test de glycol est négatif.

Silicon	ppm	ASTM D5185(m)	>+100	8	11	9
Potassium	ppm	ASTM D5185(m)	>20	<1	2	0
Water	%	ASTM D6304*	>0.1	▲ 0.175	---	---
ppm Water	ppm	ASTM D6304*	>1000	▲ 1756	---	---
Glycol	%	ASTM D7922*		0.0	---	---
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	12.0	11.2	13.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.4	22.2	28.7
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*	>0.1	▲ .2%	NEG	NEG

FLUID CONDITION

L'huile ne peut plus être utilisée en raison de la présence de contaminants.

Sodium	ppm	ASTM D5185(m)		4	4	10
Boron	ppm	ASTM D5185(m)	50	11	14	10
Barium	ppm	ASTM D5185(m)	5	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	50	61	54	66
Manganese	ppm	ASTM D5185(m)	0	<1	0	<1
Magnesium	ppm	ASTM D5185(m)	560	777	707	713
Calcium	ppm	ASTM D5185(m)	1510	1593	1508	1972
Phosphorus	ppm	ASTM D5185(m)	780	822	713	877
Zinc	ppm	ASTM D5185(m)	870	1038	917	1101
Sulfur	ppm	ASTM D5185(m)	2040	2193	2155	2185
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.5	18.5	23.8
Visc @ 40°C	cSt	ASTM D7279(m)	117.0	108	112	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	14.2	14.6	15.0
Viscosity Index (VI)	Scale	ASTM D2270*	134	133	133	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088666 **Received** : 16 May 2024
Lab Number : 02635934 **Tested** : 21 May 2024
Unique Number : 5785096 **Diagnosed** : 21 May 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: Glycol, KF, 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.