



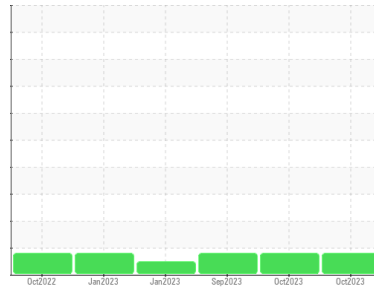
OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Machine Id
701110
 Component
Transmission (Auto)
 Fluid
PETRO CANADA DURADRIVE HD SYNTHETIC ATF (--- GAL)



DIAGNOSIS

▲ Recommendation

Nous vous recommandons de vidanger le fluide 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.

▲ Wear

Il y a indication d'usure du convertisseur de couple.

Contamination

Il n'y a aucun indice de contamination dans le fluide.

Fluid Condition

le fluide n'est plus en état de service en raison d'une usure anormale et/ou sévère.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0096381	GFL0096418	GFL0087579
Sample Date	Client Info		30 Oct 2023	25 Oct 2023	18 Sep 2023
Machine Age	hrs	Client Info	159154	158811	8816
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		Not Changed	Not Changed	Not Changed
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>230	111	101	109
Chromium	ppm	ASTM D5185(m)	>2	<1	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>65	▲ 86	▲ 80	▲ 81
Lead	ppm	ASTM D5185(m)	>55	21	19	21
Copper	ppm	ASTM D5185(m)	>85	30	28	29
Tin	ppm	ASTM D5185(m)	>5	3	2	3
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		73	67	72
Barium	ppm	ASTM D5185(m)		<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		1	<1	1
Magnesium	ppm	ASTM D5185(m)		1	1	1
Calcium	ppm	ASTM D5185(m)		105	96	96
Phosphorus	ppm	ASTM D5185(m)		252	223	238
Zinc	ppm	ASTM D5185(m)		6	6	6
Sulfur	ppm	ASTM D5185(m)		1553	1180	1164
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>20	15	13	14
Sodium	ppm	ASTM D5185(m)		7	7	7
Potassium	ppm	ASTM D5185(m)	>20	3	4	3

INFRA-RED

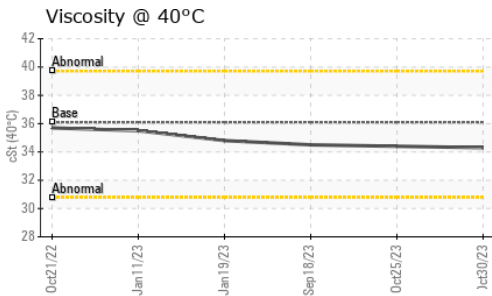
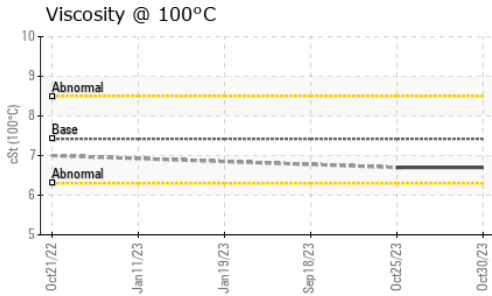
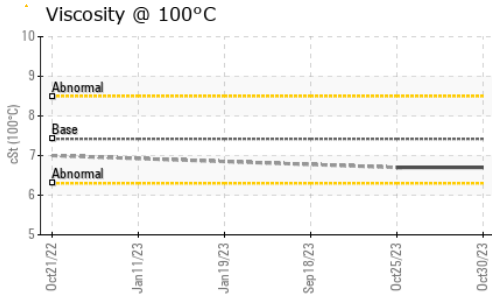
	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*		0	0	---
Nitration	Abs/cm	ASTM D7624*		5.5	5.5	---
Sulfation	Abs/.1mm	ASTM D7415*		41.0	40.9	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	ASTM D7414*		56.2	56.1	---



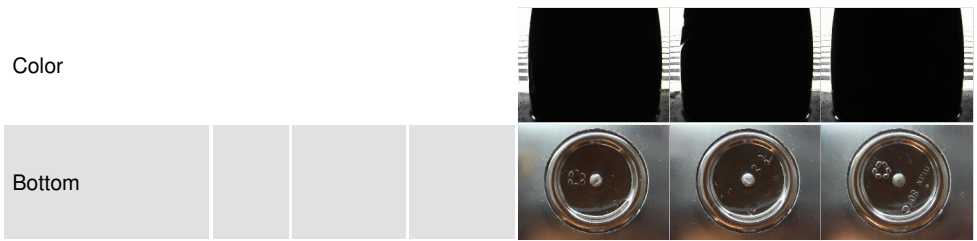
OIL ANALYSIS REPORT



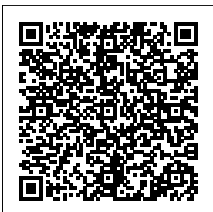
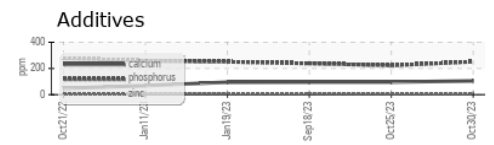
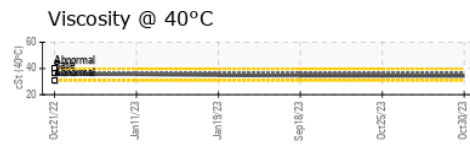
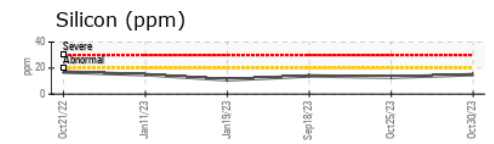
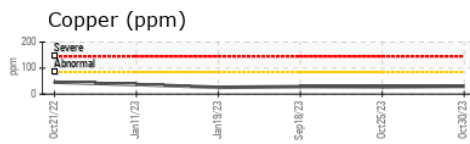
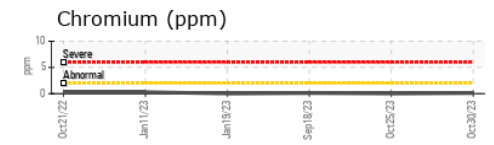
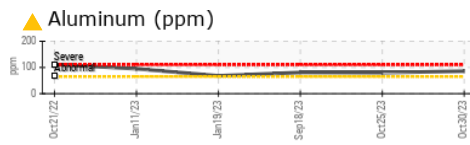
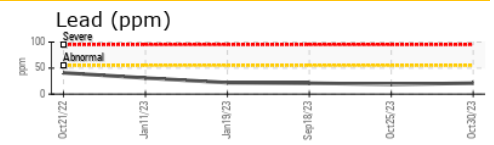
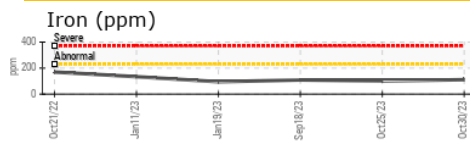
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	36.1	34.4	34.5
Visc @ 100°C	cSt	ASTM D7279(m)	7.42	6.7	---
Viscosity Index (VI)	Scale	ASTM D2270*	178	155	---

SAMPLE IMAGES



GRAPHS



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 747 - GMA - Solid Waste
Sample No. : GFL0096381 **Received** : 02 Nov 2023
Lab Number : 02593681 **Diagnosed** : 02 Nov 2023
Unique Number : 5670760 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: FT-IR, KV100, VI)

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.

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