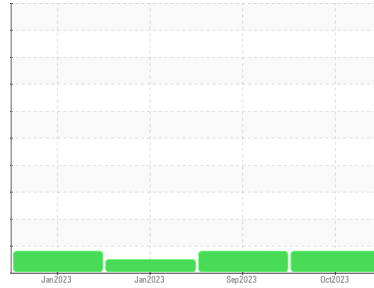




OIL ANALYSIS REPORT

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	GFL0096418	GFL0087579	GFL0067357
Sample Date	Client Info	25 Oct 2023	18 Sep 2023	19 Jan 2023
Machine Age	hrs	Client Info	8816	7458
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	Not Changed	Not Changd	Not Changed
Sample Status		ABNORMAL	ABNORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185(m)	>230	101	109	95
Chromium	ppm	ASTM D5185(m)	>2	0	<1	0
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>5	<1	<1	0
Aluminum	ppm	ASTM D5185(m)	>65	▲ 80	▲ 81	68
Lead	ppm	ASTM D5185(m)	>55	19	21	22
Copper	ppm	ASTM D5185(m)	>85	28	29	26
Tin	ppm	ASTM D5185(m)	>5	2	3	2
Antimony	ppm	ASTM D5185(m)		0	0	<1
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)		67	72	74
Barium	ppm	ASTM D5185(m)		<1	<1	0
Molybdenum	ppm	ASTM D5185(m)		0	0	<1
Manganese	ppm	ASTM D5185(m)		<1	1	2
Magnesium	ppm	ASTM D5185(m)		1	1	<1
Calcium	ppm	ASTM D5185(m)		96	96	95
Phosphorus	ppm	ASTM D5185(m)		223	238	251
Zinc	ppm	ASTM D5185(m)		6	6	7
Sulfur	ppm	ASTM D5185(m)		1180	1164	1120
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185(m)	>20	13	14	11
Sodium	ppm	ASTM D5185(m)		7	7	6
Potassium	ppm	ASTM D5185(m)	>20	4	3	4

INFRA-RED

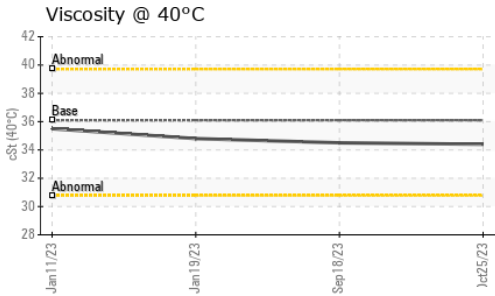
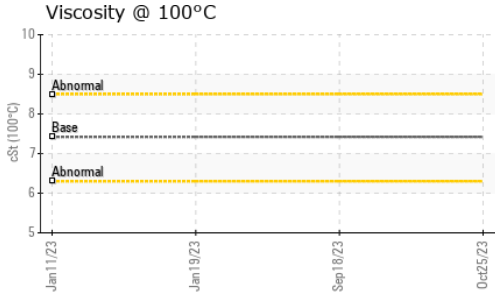
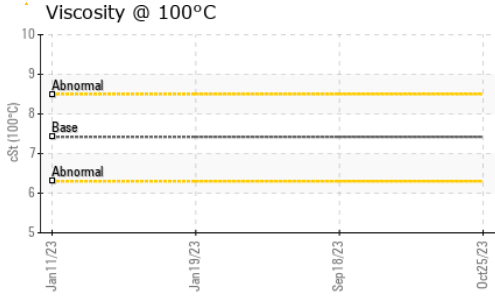
method	limit/base	current	history1	history2		
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*		5.5	---	---
Sulfation	Abs/.1mm	ASTM D7415*		40.9	---	---

FLUID DEGRADATION

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



OIL ANALYSIS REPORT



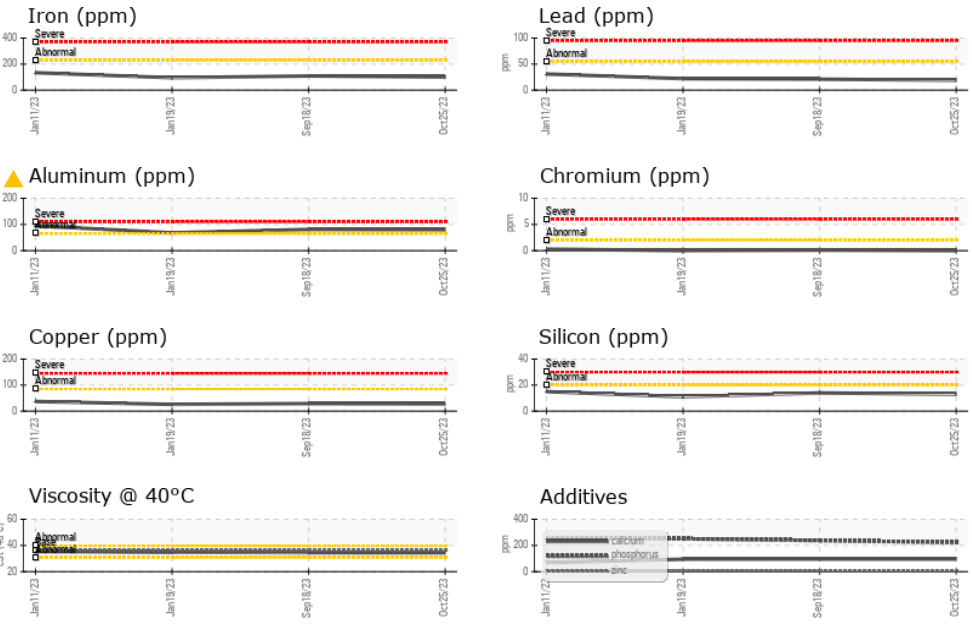
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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	34.5	34.8
Visc @ 100°C	cSt	ASTM D7279(m)	7.42	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	178	---	---

SAMPLE IMAGES

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 747 - GMA - Solid Waste
Sample No. : GFL0096418 **Received** : 27 Oct 2023
Lab Number : 02592334 **Diagnosed** : 30 Oct 2023
Unique Number : 5669413 **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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 Boucherville, QC
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 Contact: Steve Voyer
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T:
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