



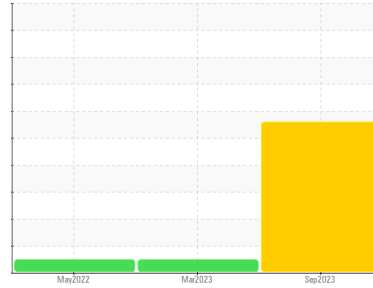
OIL ANALYSIS REPORT

Sample Rating Trend

DIRT



Machine Id
811036
Component
Transmission (Auto)
Fluid
PETRO CANADA DURADRIIVE HD SYNTHETIC ATF (--- GAL)



DIAGNOSIS

Recommendation

Nous vous recommandons de vérifier tous les endroits par lesquels de la saleté peut pénétrer dans le système. Nous vous recommandons de vidanger le fluide de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons de rincer complètement le composant avant de le remplir le fluide. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Wear

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

Contamination

Les niveaux élémentaires de silicone (Si) et d'aluminium (Al) indiquent l'infiltration d'alumine-silicate (grosses particules de poussière).

Fluid Condition

le fluide ne peut plus être utilisée en raison de la présence de contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0087659	GFL0072738	GFL0043181
Sample Date	Client Info		06 Sep 2023	29 Mar 2023	05 May 2022
Machine Age	hrs	Client Info	4173	3442	1990
Oil Age	hrs	Client Info	0	0	1990
Oil Changed	Client Info		N/A	Not Changd	Not Changd
Sample Status			SEVERE	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>230	40	141	95
Chromium	ppm	ASTM D5185(m)	>2	<1	<1	<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	0	0
Aluminum	ppm	ASTM D5185(m)	>65	9	45	26
Lead	ppm	ASTM D5185(m)	>55	<1	12	11
Copper	ppm	ASTM D5185(m)	>85	4	17	10
Tin	ppm	ASTM D5185(m)	>5	<1	2	2
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)		34	77	99
Barium	ppm	ASTM D5185(m)		0	<1	1
Molybdenum	ppm	ASTM D5185(m)		<1	<1	1
Manganese	ppm	ASTM D5185(m)		<1	3	3
Magnesium	ppm	ASTM D5185(m)		<1	<1	<1
Calcium	ppm	ASTM D5185(m)		121	62	39
Phosphorus	ppm	ASTM D5185(m)		218	281	286
Zinc	ppm	ASTM D5185(m)		5	7	6
Sulfur	ppm	ASTM D5185(m)		1508	839	625
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

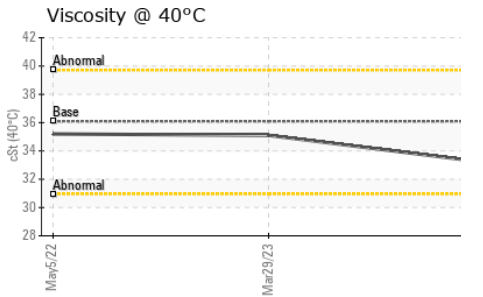
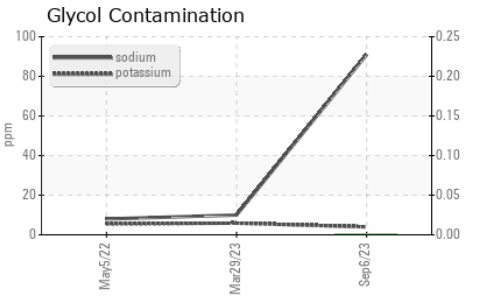
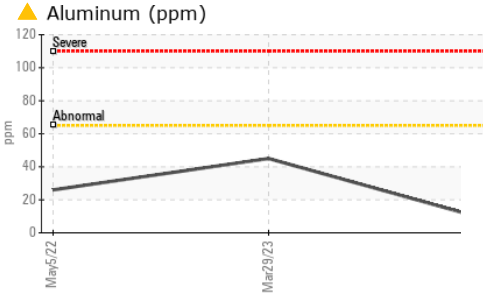
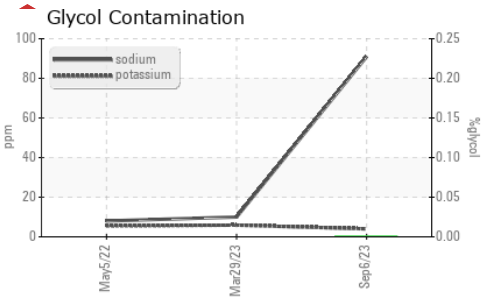
CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>20	33	8	6
Sodium	ppm	ASTM D5185(m)		91	10	8
Potassium	ppm	ASTM D5185(m)	>20	4	6	6
Glycol	%	ASTM D7922*		0.0	---	---

VISUAL

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

OIL ANALYSIS REPORT

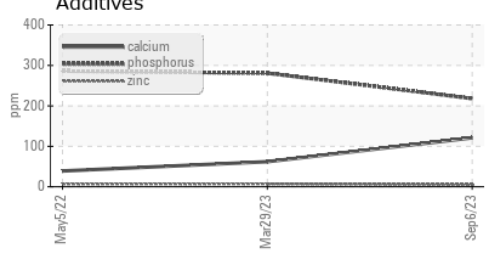
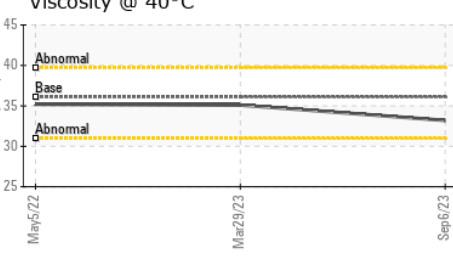
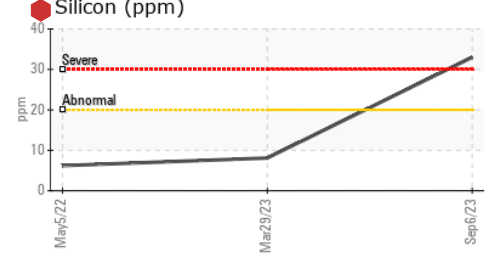
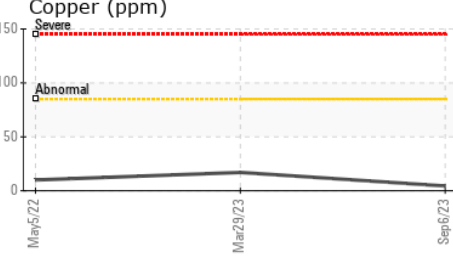
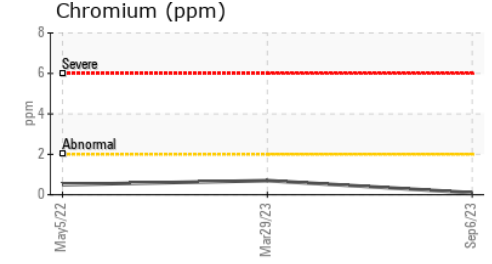
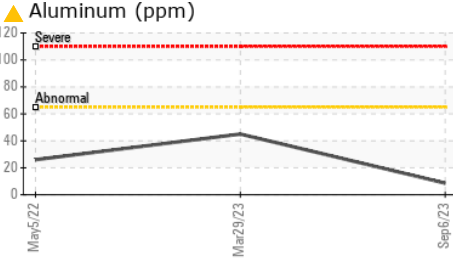
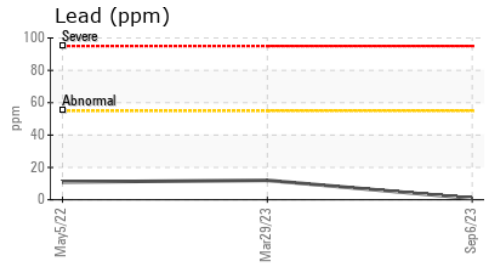
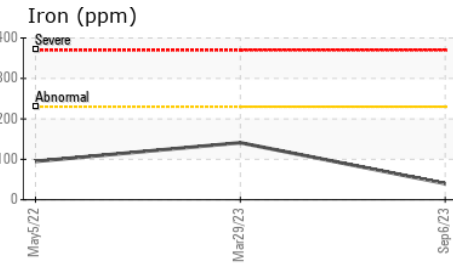


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	36.1	33.2	35.1	35.2

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 747 - GMA - Solid Waste
Sample No. : GFL0087659 **Received** : 18 Sep 2023
Lab Number : 02583200 **Diagnosed** : 19 Sep 2023
Unique Number : 5644265 **Diagnostician** : Bill Quesnel
Test Package : MOB 1 (Additional Tests: Glycol)
 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.