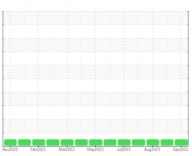


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **812090**

Component

Transmission (Auto)

PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

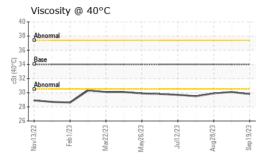
Fluid Condition

The condition of the oil is acceptable for the time in service.

Sample Number Client Info GFL0094376 GFL0094363 GFL0091389	68 (GAL)		Nov2022	Feb2023 Mar2023	May2023 Jul2023 Aug2023	Sep2023	
Sample Date	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Machine Age	Sample Number		Client Info		GFL0094376	GFL0094363	GFL0091389
Dil Age	Sample Date		Client Info		19 Sep 2023	12 Sep 2023	28 Aug 2023
Dil Changed Client Info Not Changd Nor Changed NORMAL	Machine Age	hrs	Client Info		2695	2635	2477
NORMAL NORMAL NORMAL NORMAL WEAR METALS method limit/base current history1 history2 history2 normal ppm ASTM D5185m >5 0 <1 <1 <1 <1 <1 <1 <1	Oil Age	hrs	Client Info		2695	2635	83
WEAR METALS method limit/base current history1 history2 ron ppm ASTM D5185m >160 49 52 48 Chromium ppm ASTM D5185m 55 0 <1	Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Chromium	Sample Status				NORMAL	NORMAL	NORMAL
Description	WEAR METAL	S	method	limit/base	current	history1	history2
Nickel	ron	ppm	ASTM D5185m	>160	49	52	48
Description	Chromium	ppm	ASTM D5185m	>5	0	<1	<1
Silver	Nickel	ppm	ASTM D5185m	>5	0	<1	0
ASTM D5185m SATM D5185m	Γitanium	ppm	ASTM D5185m		0	0	0
Lead	Silver	ppm	ASTM D5185m	>5	0	0	0
Description	Aluminum	ppm	ASTM D5185m	>50	20	26	24
ASTM D5185m STM D5185m ST	_ead	ppm	ASTM D5185m	>50	5	5	4
Princolor Pri	Copper	ppm	ASTM D5185m	>225	14	14	13
ADDITIVES	Tin	ppm	ASTM D5185m	>10	4	4	4
ADDITIVES	Vanadium	ppm	ASTM D5185m		<1	0	0
Boron	Cadmium		ASTM D5185m		<1	0	0
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m <1 0 <1 Manganese ppm ASTM D5185m 2 1 1 Magnesium ppm ASTM D5185m 0 4 2 Calcium ppm ASTM D5185m 107 113 107 Phosphorus ppm ASTM D5185m 203 220 214 Zinc ppm ASTM D5185m 0 2 0 Sulfur ppm ASTM D5185m 1474 1660 1682 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 5 5 5 Sodium ppm ASTM D5185m >20 5 5 5 Sodium ppm ASTM D5185m >20 5 3 4 VISUAL method limit/base current history1 history2 White Metal scalar *Visual	Boron	ppm	ASTM D5185m		58	62	66
Manganese ppm ASTM D5185m 2 1 1 Magnesium ppm ASTM D5185m 0 4 2 Calcium ppm ASTM D5185m 107 113 107 Phosphorus ppm ASTM D5185m 203 220 214 Zinc ppm ASTM D5185m 0 2 0 Sulfur ppm ASTM D5185m 1474 1660 1682 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 5 5 5 Godium ppm ASTM D5185m >20 5 5 5 Sodium ppm ASTM D5185m >20 5 5 5 5 Potassium ppm ASTM D5185m >20 5 5 5 5 Sodium ppm ASTM D5185m >20 5 3 4 VISUAL	Barium	ppm	ASTM D5185m		0	<1	0
Magnesium ppm ASTM D5185m 0 4 2 Calcium ppm ASTM D5185m 107 113 107 Phosphorus ppm ASTM D5185m 203 220 214 Zinc ppm ASTM D5185m 0 2 0 Sulfur ppm ASTM D5185m 1474 1660 1682 CONTAMINANTS method limit/base current history1 history2 Gilicon ppm ASTM D5185m >20 5 5 5 Sodium ppm ASTM D5185m >20 5 5 5 Potassium ppm ASTM D5185m >20 5 3 4 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE Yellow Metal	Molybdenum	ppm	ASTM D5185m		<1	0	<1
Calcium ppm ASTM D5185m 107 113 107 Phosphorus ppm ASTM D5185m 203 220 214 Zinc ppm ASTM D5185m 0 2 0 Sulfur ppm ASTM D5185m 1474 1660 1682 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 5 5 5 Sodium ppm ASTM D5185m >20 5 3 4 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE Debris scalar<	Manganese	ppm	ASTM D5185m		2	1	1
Phosphorus ppm ASTM D5185m 203 220 214 Zinc ppm ASTM D5185m 0 2 0 Sulfur ppm ASTM D5185m 1474 1660 1682 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 5 5 5 Sodium ppm ASTM D5185m >20 5 3 4 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE NONE Wellow Metal scalar *Visual NONE NONE NONE NONE NONE Yellow Metal scalar *Visual NONE	Magnesium	ppm	ASTM D5185m		0	4	2
Debris Scalar *Visual NONE NONE NONE NONE NONE Scalar *Visual NONE	Calcium	ppm	ASTM D5185m		107	113	107
Sulfur ppm ASTM D5185m 1474 1660 1682 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 5 5 5 Sodium ppm ASTM D5185m >20 5 3 4 Potassium ppm ASTM D5185m >20 5 3 4 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE	Phosphorus	ppm	ASTM D5185m		203	220	214
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 5 5 5 Sodium ppm ASTM D5185m 6 7 5 Potassium ppm ASTM D5185m 20 5 3 4 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE NONE NONE NON	Zinc	ppm	ASTM D5185m		0	2	0
Silicon	Sulfur	ppm	ASTM D5185m		1474	1660	1682
Sodium ppm ASTM D5185m 6 7 5 Potassium ppm ASTM D5185m >20 5 3 4 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE NONE NONE NONE NON	CONTAMINAN	ITS	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 5 3 4 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE NONE NONE NONE NON				>20			
White Metal scalar *Visual NONE NONE NONE NONE NONE NONE NONE NON	Sodium	ppm	ASTM D5185m		6		5
White Metal scalar *Visual NONE 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 NONE Debris scalar *Visual NONE NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Ddor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG NEG	Potassium	ppm	ASTM D5185m	>20	5	3	4
Yellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLDdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEGFree Waterscalar*VisualNEGNEGNEG	VISUAL		method	limit/base	current	history1	history2
Precipitate scalar *Visual NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE NONE NONE Scalar *Visual NONE NONE NONE NONE NONE NONE Scalar *Visual NONE NONE NONE NONE NONE NONE NONE NON	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silt scalar *Visual NONE NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE 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	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Debris scalar *Visual NONE NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML NORML Ddor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG NEG Free Water scalar *Visual NEG NEG NEG	Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt scalar *Visual NONE NONE NONE NONE 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	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance scalar *Visual NORML NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG NEG Free Water scalar *Visual NEG NEG NEG	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Odor scalar *Visual NORML NORML NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG NEG Free Water scalar *Visual NEG NEG NEG	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Emulsified Water scalar *Visual >0.1 NEG NEG NEG Free Water scalar *Visual NEG NEG NEG	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Free Water scalar *Visual NEG NEG NEG	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
FLUID PROPERTIES method limit/base current history1 history2	Free Water	scalar	*Visual		NEG	NEG	NEG
	FLUID PROPE	RTIES	method	limit/base	current	history1	history2

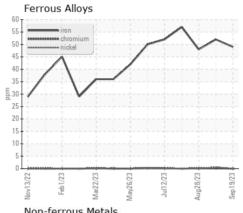


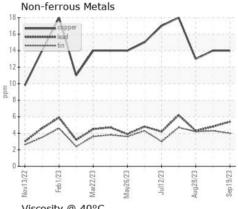
OIL ANALYSIS REPORT

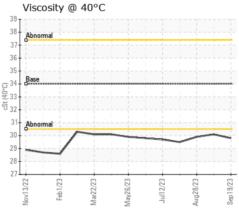


SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS











Laboratory Sample No. Lab Number Unique Number : 10657990 Test Package : FLEET

: GFL0094376 : 05956777

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 Sep 2023

Diagnosed : 22 Sep 2023 Diagnostician : Don Baldridge

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

GFL Environmental - 010 - Stockbridge

1280 Rum Creek Parkway Stockbridge, GA

US 30281 Contact: JOSHUA TINKER

joshuatinker@gflenv.com

T: F:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)