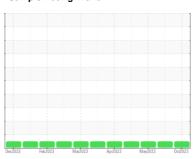


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **810041**

Component

Transmission (Auto)

PETRO CANADA DuraDrive HD Synthetic

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

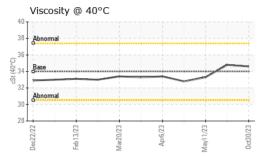
Fluid Condition

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

Client Info	68 (GAL)		Dec2022	Feb 2023 Mar 2023	Apr2023 May2023	Oct2023	
Sample Date	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 17656 5814 0 Oil Age hrs Client Info 160 977 0 Oil Changed Not Changd Normal N	Sample Number		Client Info		GFL0088732	GFL0097882	GFL0082852
Dil Age	Sample Date		Client Info		30 Oct 2023	03 Oct 2023	11 May 2023
Dil Changed Cilient Info Not Changed NORMAL NOR	Machine Age	hrs	Client Info		17656	5814	0
NORMAL NORMAL NORMAL NORMAL WEAR METALS method limit/base current history1 history2 history2 normium ppm ASTM D5185m >5 0 0 0 0 0 0 0 0 0	Oil Age	hrs	Client Info		160	977	0
WEAR METALS method limit/base current history1 history2 ron ppm ASTM D5185m >160 13 8 29 Chromium ppm ASTM D5185m >5 0 0 0 Nickel ppm ASTM D5185m >5 0 0 0 Silver ppm ASTM D5185m >5 0 0 0 ASTM D5185m >5 0 0 0 0 ASTM D5185m >50 3 2 8 Lead ppm ASTM D5185m >50 <1	Oil Changed		Client Info		Not Changd	Changed	Not Changd
Description	Sample Status				NORMAL		NORMAL
Description	WEAR METAL	.S	method	limit/base	current	history1	history2
Sickel	ron	ppm	ASTM D5185m	>160	13	8	29
Description	Chromium	ppm	ASTM D5185m	>5	0	0	0
Silver	Nickel	ppm	ASTM D5185m	>5	0	<1	0
Aluminum	Γitanium	ppm	ASTM D5185m		0	0	0
Lead	Silver	ppm	ASTM D5185m	>5	0	0	0
ASTM D5185m STM D5185m STM D5185m STM D5185m DO	Aluminum	ppm	ASTM D5185m	>50	3	2	8
Tin	_ead	ppm	ASTM D5185m	>50	<1	<1	<1
ASTM D5185m D0	Copper	ppm	ASTM D5185m	>225	8	7	4
Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 100 116 76 Barium ppm ASTM D5185m <1	Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 100 116 76 Barium ppm ASTM D5185m <1 0 0 Molybdenum ppm ASTM D5185m 0 <1 <1 <1 Magnesium ppm ASTM D5185m 3 4 0 Calcium ppm ASTM D5185m 74 70 117 Phosphorus ppm ASTM D5185m 246 254 198 Zinc ppm ASTM D5185m 9 9 1 Sulfur ppm ASTM D5185m 9 9 1 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 4 4 4 Bodium ppm ASTM D5185m >20	Vanadium	ppm	ASTM D5185m		0	0	0
Boron ppm ASTM D5185m 100 116 76	Cadmium		ASTM D5185m		0		0
Sarium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 0 <1 <1 Manganese ppm ASTM D5185m <1 <1 <1 Magnesium ppm ASTM D5185m 3 4 0 Calcium ppm ASTM D5185m 74 70 117 Phosphorus ppm ASTM D5185m 246 254 198 Zinc ppm ASTM D5185m 9 9 1 Sulfur ppm ASTM D5185m 9 9 1 CONTAMINANTS method limit/base current history1 history2 Color ppm ASTM D5185m >20 4 4 4 Color ppm ASTM D5185m	Boron	ppm	ASTM D5185m		100	116	76
Manganese ppm ASTM D5185m <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <td>Barium</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <td><1</td> <td>0</td> <td>0</td>	Barium	ppm	ASTM D5185m		<1	0	0
Magnesium ppm ASTM D5185m 3 4 0 Calcium ppm ASTM D5185m 74 70 117 Phosphorus ppm ASTM D5185m 246 254 198 Zinc ppm ASTM D5185m 9 9 1 Sulfur ppm ASTM D5185m 9 9 1 Sulfur ppm ASTM D5185m 9 9 1 CONTAMINANTS method limit/base current history1 history2 Gilicon ppm ASTM D5185m >20 4 4 4 Godium ppm ASTM D5185m >20 2 2 <1	Molybdenum	ppm	ASTM D5185m		0	<1	<1
Calcium ppm ASTM D5185m 74 70 117 Phosphorus ppm ASTM D5185m 246 254 198 Zinc ppm ASTM D5185m 9 9 1 Sulfur ppm ASTM D5185m 1214 1211 1704 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 4 4 4 Godium ppm ASTM D5185m >20 2 2 <1	Manganese	ppm	ASTM D5185m		<1	<1	<1
Phosphorus ppm ASTM D5185m 246 254 198 Zinc ppm ASTM D5185m 9 9 1 Sulfur ppm ASTM D5185m 1214 1211 1704 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 4 4 4 Sodium ppm ASTM D5185m >20 2 2 <1	Magnesium	ppm	ASTM D5185m		3	4	0
Sulfur ppm ASTM D5185m ppm ppm ASTM D5185m ppm ppm ASTM D5185m ppm ppm ASTM D5185m ppm ppm	Calcium	ppm	ASTM D5185m		74	70	117
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 4 4 4 Sodium ppm ASTM D5185m >20 2 2 -1 Potassium ppm ASTM D5185m >20 2 2 -1 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 Silt scalar *Visual NONE NONE NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE NONE NONE NON	Phosphorus	ppm	ASTM D5185m		246	254	198
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 4 4 4 Sodium ppm ASTM D5185m 8 7 <1 Potassium ppm ASTM D5185m 20 2 2 <1 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 Silt scalar *Visual NONE NONE NONE NONE NONE NONE NONE NON	Zinc	ppm	ASTM D5185m		9	9	1
Silicon ppm ASTM D5185m >20 4 4 4 4 4 A A A A A A A A A A A A A A	Sulfur	ppm	ASTM D5185m		1214	1211	1704
Sodium ppm ASTM D5185m >20 2 2 <1 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 NONE NONE NON	CONTAMINAN	ITS	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 2 2 <1 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE NONE Precipitate scalar *Visual NONE 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 NONE Appearance scalar *Visual 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		ppm	ASTM D5185m	>20			4
White Metal scalar *Visual NONE NONE NONE NONE NONE NONE NONE NON	Sodium	ppm	ASTM D5185m		8	7	<1
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 Debris scalar *Visual 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 Free Water scalar *Visual NORML NORM NEG NEG	Potassium	ppm	ASTM D5185m	>20	2	2	<1
Yellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONELIGHTNONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*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 Scalar *Visual NONE NONE LIGHT NONE Scand/Dirt 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 Debris scalar *Visual NONE NONE LIGHT 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 LIGHT 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 Free Water scalar *Visual NEG NEG NEG	Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt scalar *Visual NONE 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	LIGHT	NONE
Odor scalar *Visual NORML NORML NORML NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG NEG 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
Emulsified Water scalar *Visual >0.1 NEG NEG NEG 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

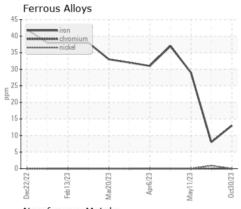


OIL ANALYSIS REPORT

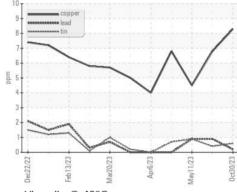


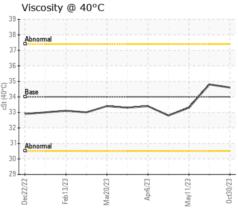
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS



Non-ferrous Metals









Laboratory Sample No. Lab Number Unique Number : 10724462 Test Package : FLEET

: GFL0088732 : 05996102

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 01 Nov 2023 Diagnosed : 03 Nov 2023 Diagnostician : Don Baldridge

GFL Environmental - 010 - Stockbridge 1280 Rum Creek Parkway Stockbridge, GA

US 30281 Contact: JOSHUA TINKER joshuatinker@gflenv.com T:

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

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