

# **OIL ANALYSIS REPORT**

Sample Rating Trend

NORMAL



Machine Id **429055** 

Component

1 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**

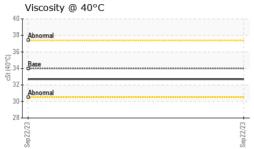
The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION   method   limit/base   current   history1   history2   sample Number   Client Info   22 Sep 2023							•
Cample Number   Client Info   CFL0093272   Cample Date   Client Info   22 Sep 2023   Cample Adachine Age   mls   Client Info   188306   Cample   Client Info   188306   Cample   Client Info   188306   Cample   Client Info   Changed   Client Info   Changed   Cample   Campl	68 ( GAL)				Sep 2023		
Cample Date   Client Info   188306       Client Info   188306       Client Info   188306       Client Info   188306       Client Info   Changed   Client Info   Changed       Changed   Client Info   Changed       Changed   Client Info   Changed       Changed   Client Info   Changed       Changed   Changed   Changed       Changed	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Machine Age   mls   Client Info   188306	Sample Number		Client Info		GFL0093272		
Dil Age	Sample Date		Client Info		22 Sep 2023		
Client Info   Changed   Client Info   NORMAL   Changed   Client Info   NORMAL   Changed   Client Info   NORMAL   Changed   Client Info   NORMAL   Changed   Client Info   Client Info	Machine Age	mls	Client Info		188306		
NORMAL	Dil Age	mls	Client Info		188306		
WEAR METALS         method         limit/base         current         history1         history2           fron         ppm         ASTM D5185m         >160         24	Oil Changed		Client Info		Changed		
Chromium	Sample Status				NORMAL		
Description	WEAR METAI	LS	method	limit/base	current	history1	history2
Sickel	ron	ppm	ASTM D5185m	>160	24		
ASTM D5185m   S50   S70   S71   S7	Chromium	ppm	ASTM D5185m	>5	0		
Silver	Nickel	ppm	ASTM D5185m	>5	0		
ASTM D5185m   South State	- itanium	ppm	ASTM D5185m		<1		
ASTM D5185m   >50	Silver	ppm	ASTM D5185m	>5	0		
Apple	Aluminum	ppm	ASTM D5185m	>50	9		
ASTM D5185m   STM D5185m   STM D5185m   STM D5185m   Delay   ASTM D5185m   Delay   ASTM D5185m   Delay   ASTM D5185m   Delay   Delay	ead	ppm	ASTM D5185m	>50	1		
Academium	Copper	ppm	ASTM D5185m	>225	11		
Astronomega				>10	1		
ADDITIVES							
Soron   ppm   ASTM D5185m   80					-		
Barium	ADDITIVES_		method	limit/base	current	history1	history2
Molybdenum         ppm         ASTM D5185m         <1             Manganese         ppm         ASTM D5185m         <1             Magnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         229             Cinc         ppm         ASTM D5185m         0             Sulfur         ppm         ASTM D5185m         1843             CONTAMINANTS         method         limit/base         current         history1         history2           Solicon         ppm         ASTM D5185m         20         3             Contassium         ppm         ASTM D5185m         20         0             Potassium         ppm         ASTM D5185m         20         0             VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE         NONE            Verecipitate         scalar	Boron	ppm	ASTM D5185m		80		
Alanganese         ppm         ASTM D5185m         <1             Alagnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         117             Phosphorus         ppm         ASTM D5185m         229             Zilicon         ppm         ASTM D5185m         0             Sulfur         ppm         ASTM D5185m         20         3             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         3             Potassium         ppm         ASTM D5185m         >20         3             Potassium         ppm         ASTM D5185m         >20         3             VISUAL         method         limit/base         current         history1         history2           Visual         NONE         NONE             Viellow Metal         scalar	Barium	ppm	ASTM D5185m		0		
Manganese         ppm         ASTM D5185m         <1             Magnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         229             Phosphorus         ppm         ASTM D5185m         0             Zinc         ppm         ASTM D5185m         0             Sulfur         ppm         ASTM D5185m         1843             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         3             Potassium         ppm         ASTM D5185m         >20         3             Potassium         ppm         ASTM D5185m         >20         0             Potassium         ppm         ASTM D5185m         >20         0             VISUAL         method         limit/base         current         history1         history2           Ville Metal	Molybdenum		ASTM D5185m		<1		
Adagnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         117             Phosphorus         ppm         ASTM D5185m         229             Zinc         ppm         ASTM D5185m         0             Sulfur         ppm         ASTM D5185m         1843             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         3             Potassium         ppm         ASTM D5185m         >20         0	-		ASTM D5185m		<1		
Calcium         ppm         ASTM D5185m         117             Phosphorus         ppm         ASTM D5185m         229             Zinc         ppm         ASTM D5185m         0             Sulfur         ppm         ASTM D5185m         1843             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         3             Potassium         ppm         ASTM D5185m         >20         0             VISUAL         method         limit/base         current         history2           White Metal         scalar         *Visual         NONE             VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE             Vellow Metal         scalar         *Visual         NONE         NONE            Perceipitate         scalar         *Visual<	· ·		ASTM D5185m		0		
Phosphorus         ppm         ASTM D5185m         229             Zinc         ppm         ASTM D5185m         0             Sulfur         ppm         ASTM D5185m         1843             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         3             Sodium         ppm         ASTM D5185m         2             Potassium         ppm         ASTM D5185m         >20         0            VISUAL         method         limit/base         current         history1           White Metal         scalar         *Visual         NONE            VISUAL         method         limit/base         current         history1           White Metal         scalar         *Visual         NONE            Vellow Metal         scalar         *Visual         NONE            Precipitate         scalar         *Visual         NONE         NONE           Obebris         scalar <td>Calcium</td> <td></td> <td>ASTM D5185m</td> <td></td> <td>117</td> <td></td> <td></td>	Calcium		ASTM D5185m		117		
Contain					229		
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         3             Sodium         ppm         ASTM D5185m         2             Potassium         ppm         ASTM D5185m         >20         0            VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE         NONE             Vellow Metal         scalar         *Visual         NONE         NONE             Precipitate         scalar         *Visual         NONE         NONE             Silt         scalar         *Visual         NONE         NONE             Obbris         scalar         *Visual         NONE         NONE             Appearance         scalar         *Visual         NORML         NORML             Codor         scalar         *Visual         NORML         NOR							
Solition   ppm   ASTM D5185m   >20   3	-				-		
Sodium         ppm         ASTM D5185m         2             Potassium         ppm         ASTM D5185m         >20         0             VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE         NONE             Yellow Metal         scalar         *Visual         NONE         NONE             Precipitate         scalar         *Visual         NONE         NONE             Silt         scalar         *Visual         NONE         NONE             Debris         scalar         *Visual         NONE         NONE             Appearance         scalar         *Visual         NORM	CONTAMINA	NTS	method	limit/base	current	history1	history2
Godium         ppm         ASTM D5185m         2             Potassium         ppm         ASTM D5185m         >20         0             VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE         NONE             Vellow Metal         scalar         *Visual         NONE         NONE             Precipitate         scalar         *Visual         NONE         NONE             Silt         scalar         *Visual         NONE         NONE             Debris         scalar         *Visual         NONE         NONE             Appearance         scalar         *Visual         NORM	Silicon	ppm	ASTM D5185m	>20	3		
Potassium         ppm         ASTM D5185m         >20         0             VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE         NONE             Vellow Metal         scalar         *Visual         NONE         NONE             Precipitate         scalar         *Visual         NONE         NONE             Silt         scalar         *Visual         NONE         NONE             Debris         scalar         *Visual         NONE         NONE             Appearance         scalar         *Visual         NORML         NORML             Emulsified Water         scalar	Sodium		ASTM D5185m		2		
White Metal         scalar         *Visual         NONE         NONE             Yellow Metal         scalar         *Visual         NONE         NONE             Precipitate         scalar         *Visual         NONE         NONE             Silt         scalar         *Visual         NONE         NONE             Debris         scalar         *Visual         NONE         NONE             Sand/Dirt         scalar         *Visual         NONE         NONE             Appearance         scalar         *Visual         NORML         NORML             Emulsified Water         scalar         *Visual         >0.1         NEG             Free Water         scalar         *Visual         NEG	Potassium	ppm	ASTM D5185m	>20	0		
Vellow Metal         scalar         *Visual         NONE         NONE             Precipitate         scalar         *Visual         NONE         NONE             Silt         scalar         *Visual         NONE         NONE             Debris         scalar         *Visual         NONE         NONE             Sand/Dirt         scalar         *Visual         NONE         NONE             Appearance         scalar         *Visual         NORML         NORML             Emulsified Water         scalar         *Visual         >0.1         NEG             Free Water         scalar         *Visual         NEG	VISUAL		method	limit/base	current	history1	history2
Precipitate         scalar         *Visual         NONE         NONE             Silt         scalar         *Visual         NONE         NONE             Debris         scalar         *Visual         NONE         NONE             Sand/Dirt         scalar         *Visual         NONE         NONE             Appearance         scalar         *Visual         NORML         NORML             Ddor         scalar         *Visual         NORML         NORML             Emulsified Water         scalar         *Visual         >0.1         NEG             Free Water         scalar         *Visual         NEG	Vhite Metal	scalar	*Visual	NONE	NONE		
Silt         scalar         *Visual         NONE         NONE             Debris         scalar         *Visual         NONE         NONE             Sand/Dirt         scalar         *Visual         NONE         NONE             Appearance         scalar         *Visual         NORML         NORML             Ddor         scalar         *Visual         NORML         NORML             Emulsified Water         scalar         *Visual         >0.1         NEG             Free Water         scalar         *Visual         NEG	ellow Metal	scalar	*Visual	NONE	NONE		
Debris         scalar         *Visual         NONE         NONE             Sand/Dirt         scalar         *Visual         NONE         NONE             Appearance         scalar         *Visual         NORML         NORML             Ddor         scalar         *Visual         NORML         NORML             Emulsified Water         scalar         *Visual         >0.1         NEG             Free Water         scalar         *Visual         NEG	Precipitate	scalar	*Visual	NONE	NONE		
Debris         scalar         *Visual         NONE         NONE             Sand/Dirt         scalar         *Visual         NONE         NONE             Appearance         scalar         *Visual         NORML         NORML             Ddor         scalar         *Visual         NORML         NORML             Emulsified Water         scalar         *Visual         >0.1         NEG             Free Water         scalar         *Visual         NEG	Silt	scalar	*Visual	NONE	NONE		
Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG Free Water scalar *Visual NEG	Debris	scalar	*Visual	NONE	NONE		
Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG Free Water scalar *Visual NEG	Sand/Dirt	scalar	*Visual	NONE	NONE		
Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG Free Water scalar *Visual NEG	Appearance	scalar		NORML			
Emulsified Water scalar *Visual >0.1 NEG Free Water scalar *Visual NEG	• •				NORML		
ree Water scalar *Visual NEG							
FLUID PROPERTIES method limit/base current history1 history2							
	FLUID PROPE	ERTIES	method	limi <u>t/base</u>	current	history1	history2

Submitted By: TECHNICIAN ACCOUNT

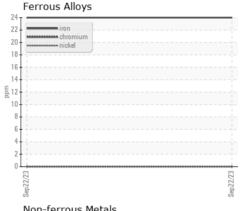


# **OIL ANALYSIS REPORT**

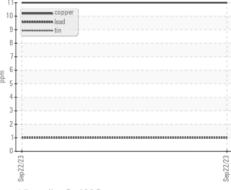


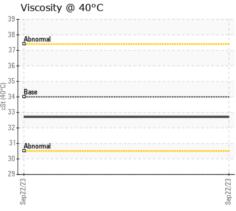
SAMPLE IMAGE	S method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

### **GRAPHS**



#### Non-ferrous Metals









Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10671463 Test Package : FLEET

: GFL0093272 : 05964912

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 Sep 2023 Diagnosed : 01 Oct 2023 Diagnostician : Don Baldridge

GFL Environmental - 865 - East Mount Hauling 7213 East Mount Houston Road

Houston, TX US 77050

Contact: TECHNICIAN ACCOUNT

wcgfldemo@gmail.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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