



Machine Id  
**426079-402318**  
 Component  
**Transmission (Auto)**

Fluid  
**PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0124044</b>	GFL0114097	GFL0090665
Sample Date		Client Info		<b>27 Jun 2024</b>	06 Mar 2024	20 Jul 2023
Machine Age	hrs	Client Info		<b>2978</b>	2396	1751
Oil Age	hrs	Client Info		<b>0</b>	2396	1751
Filter Age	hrs	Client Info		<b>1200</b>	1200	1200
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>ATTENTION</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	<b>50</b>	34	35
Chromium	ppm	ASTM D5185m	>5	<b>2</b>	<1	0
Nickel	ppm	ASTM D5185m	>5	<b>2</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>50	<b>7</b>	8	10
Lead	ppm	ASTM D5185m	>50	<b>6</b>	<1	<1
Copper	ppm	ASTM D5185m	>225	<b>10</b>	5	7
Tin	ppm	ASTM D5185m	>10	<b>2</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

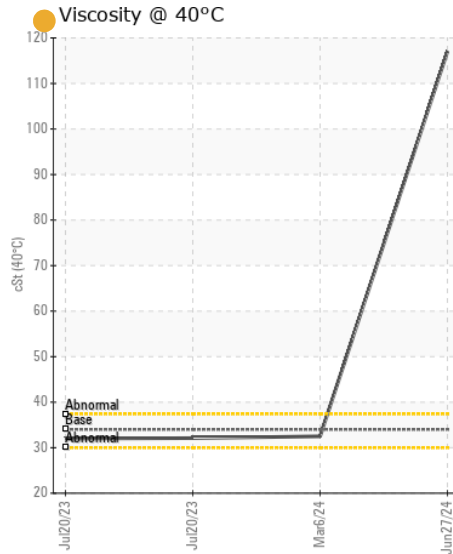
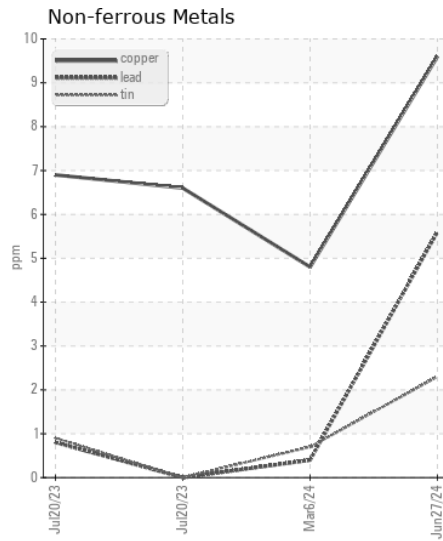
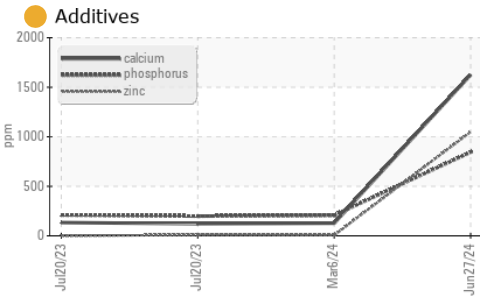
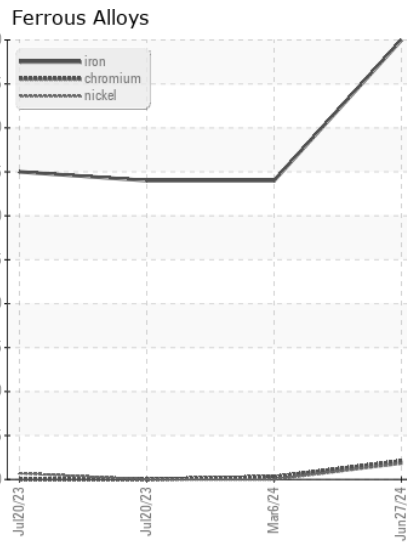
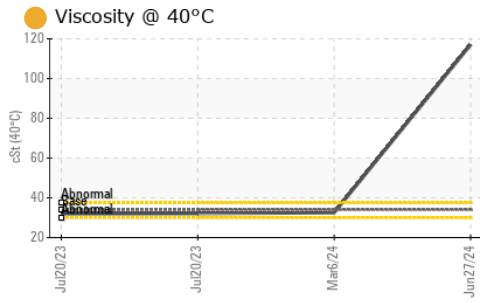
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>16</b>	5	5
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	4	10
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

The fluid viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		<b>4</b>	8	18
Boron	ppm	ASTM D5185m		<b>20</b>	68	63
Barium	ppm	ASTM D5185m		<b>2</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>63</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>8</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>698</b>	3	2
Calcium	ppm	ASTM D5185m		<b>1625</b>	127	122
Phosphorus	ppm	ASTM D5185m		<b>844</b>	207	199
Zinc	ppm	ASTM D5185m		<b>1049</b>	6	10
Sulfur	ppm	ASTM D5185m		<b>2406</b>	1667	1780
Visc @ 40°C	cSt	ASTM D445	34	<b>117</b>	32.5	32.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0124044  
**Lab Number** : 06224920  
**Unique Number** : 11103117  
**Test Package** : FLEET

**Received** : 01 Jul 2024  
**Tested** : 02 Jul 2024  
**Diagnosed** : 02 Jul 2024 - Don Baldrige

**GFL Environmental - 836 - Kansas City Hauling**  
 7801 East Truman Road  
 Kansas City, MO  
 US 64126  
 Contact: Loyce Stewart  
 loyce.stewart@gflenv.com

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)

T:  
F: