



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**(27KM1B)**  
Machine Id  
**413116**  
Component  
**Transmission (Auto)**  
Fluid  
**PETRO CANADA DuraDrive HD Synthetic 668 (--- QTS)**

**RECOMMENDATION**

We suspect abnormal contamination may be due to sampling method. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0122918</b>	GFL0102459	GFL0102493
Sample Date		Client Info		<b>25 Jun 2024</b>	06 Jan 2024	29 Dec 2023
Machine Age	hrs	Client Info		<b>3253</b>	2292	2247
Oil Age	hrs	Client Info		<b>3144</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Changed</b>	Not Changed	Changed
Sample Status				<b>ABNORMAL</b>	ABNORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>220	<b>50</b>	37	43
Chromium	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>75	<b>25</b>	21	19
Lead	ppm	ASTM D5185m	>95	<b>7</b>	2	3
Copper	ppm	ASTM D5185m	>60	<b>27</b>	17	18
Tin	ppm	ASTM D5185m	>10	<b>5</b>	3	4
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**

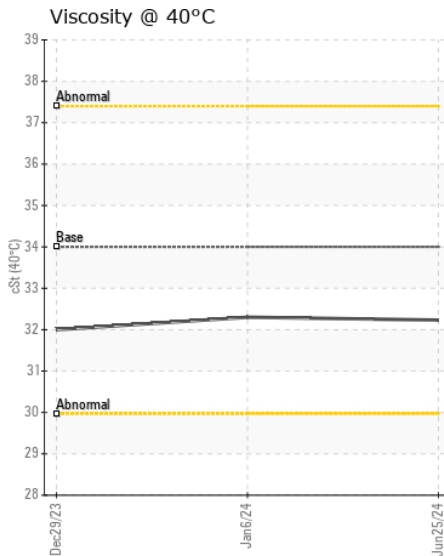
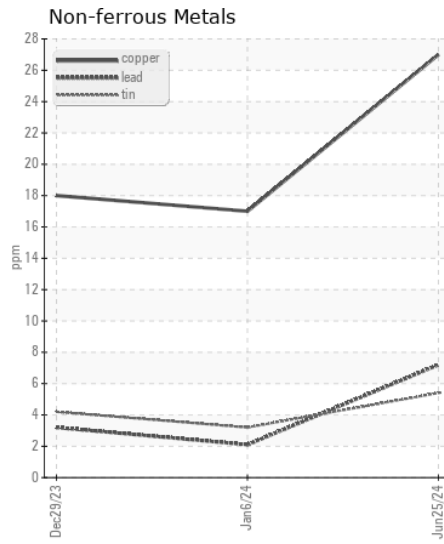
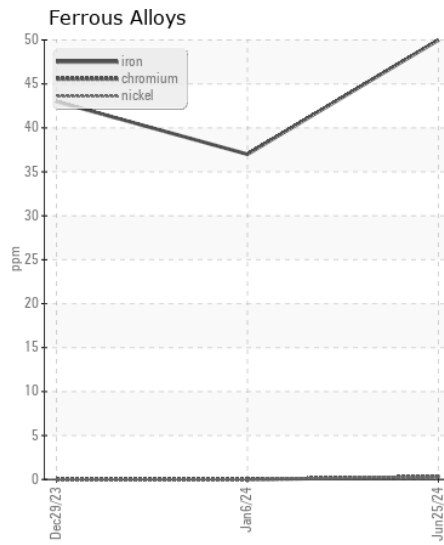
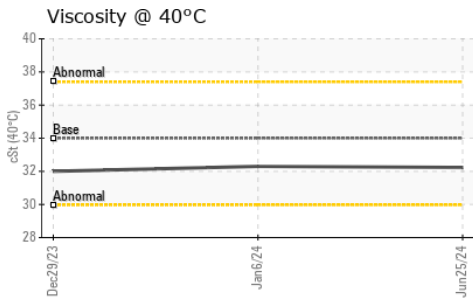
There is a moderate amount of visible silt present in the sample.

Silicon	ppm	ASTM D5185m	>25	<b>7</b>	12	5
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	1	3
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>▲ MODER</b>	▲ MODER	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 condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>5</b>	5	6
Boron	ppm	ASTM D5185m		<b>60</b>	53	52
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>2</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>2</b>	2	2
Magnesium	ppm	ASTM D5185m		<b>2</b>	2	0
Calcium	ppm	ASTM D5185m		<b>120</b>	131	122
Phosphorus	ppm	ASTM D5185m		<b>188</b>	200	209
Zinc	ppm	ASTM D5185m		<b>8</b>	8	0
Sulfur	ppm	ASTM D5185m		<b>1559</b>	1722	1866
Visc @ 40°C	cSt	ASTM D445	34	<b>32.23</b>	32.3	32.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0122918  
**Lab Number** : 06225434  
**Unique Number** : 11103631  
**Test Package** : FLEET

**Received** : 01 Jul 2024  
**Tested** : 08 Jul 2024  
**Diagnosed** : 08 Jul 2024 - Jonathan Hester

**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: