

Machine Id  
**1209**  
Component  
**Rear Transmission (Auto)**  
Fluid  
**PETRO CANADA DuraDrive HD Synthetic 668 (24 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0082762</b>	PC0061462	PC0052699
Sample Date		Client Info		<b>22 Apr 2024</b>	11 May 2023	17 Aug 2022
Machine Age	kms	Client Info		<b>660791</b>	606230	560452
Oil Age	kms	Client Info		<b>54186</b>	45778	52270
Filter Age	kms	Client Info		<b>54186</b>	45778	52270
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>230	<b>33</b>	30	57
Chromium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>65	<b>6</b>	6	14
Lead	ppm	ASTM D5185(m)	>55	<b>2</b>	2	3
Copper	ppm	ASTM D5185(m)	>85	<b>4</b>	5	23
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

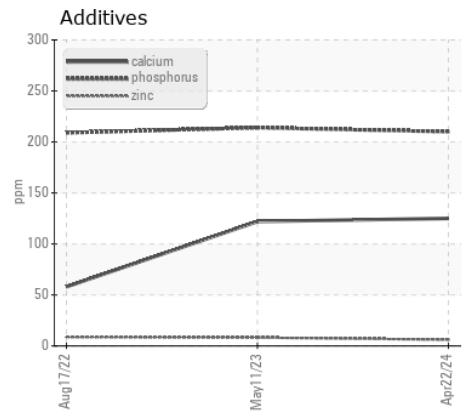
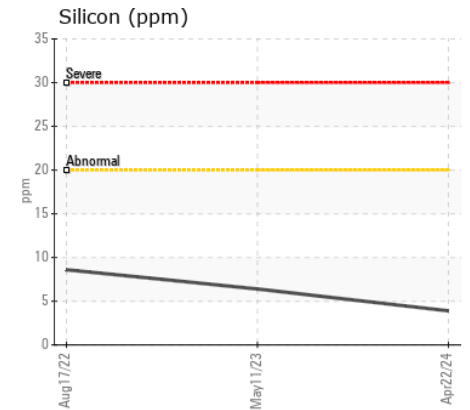
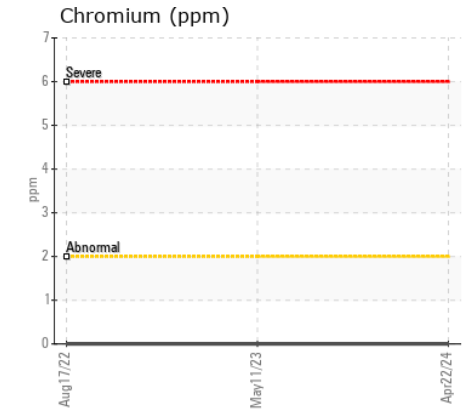
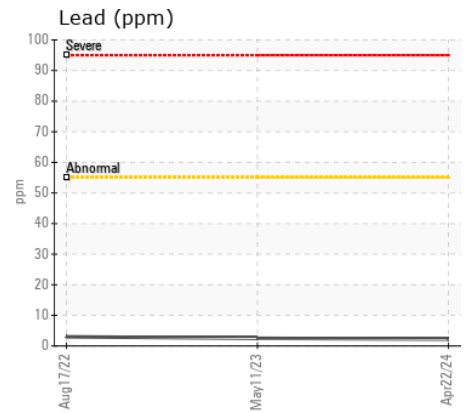
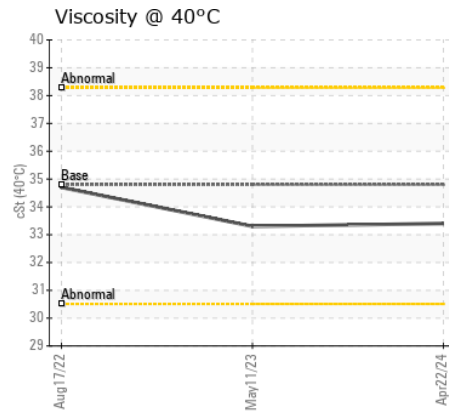
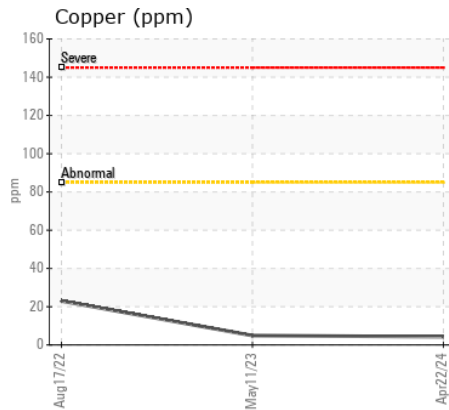
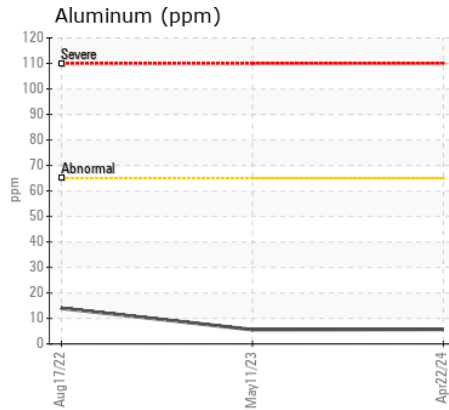
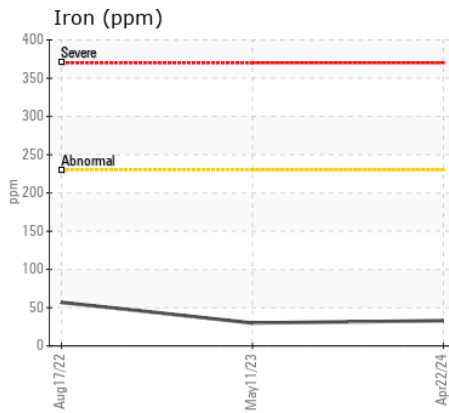
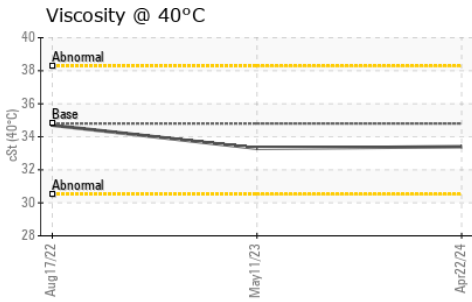
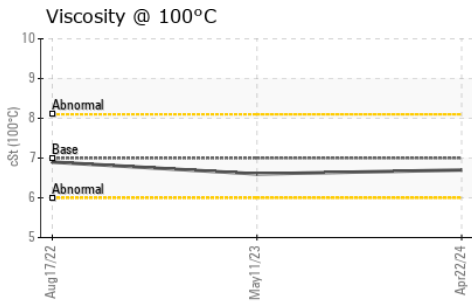
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	<b>4</b>	6	9
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	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 D5185(m)		<b>11</b>	22	24
Boron	ppm	ASTM D5185(m)	78	<b>61</b>	50	44
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	<1	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	0	<b>2</b>	2	<1
Calcium	ppm	ASTM D5185(m)	113	<b>125</b>	122	58
Phosphorus	ppm	ASTM D5185(m)	222	<b>210</b>	214	209
Zinc	ppm	ASTM D5185(m)		<b>6</b>	8	9
Sulfur	ppm	ASTM D5185(m)	1326	<b>1413</b>	1461	2401
Visc @ 40°C	cSt	ASTM D7279(m)	34.8	<b>33.4</b>	33.3	34.7
Visc @ 100°C	cSt	ASTM D7279(m)	7.0	<b>6.7</b>	6.6	6.9
Viscosity Index (VI)	Scale	ASTM D2270*	167	<b>162</b>	158	163



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0082762 **Received** : 03 May 2024  
**Lab Number** : 02633188 **Tested** : 03 May 2024  
**Unique Number** : 5774341 **Diagnosed** : 03 May 2024 - Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: KV100, VI )

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

**Metrobus Transit**  
 25 Messenger Drive  
 St. John's, NL  
 CA A1B 0H6  
 Contact: Dan Finlay  
 dan.finlay@metrobus.com

T:  
F: