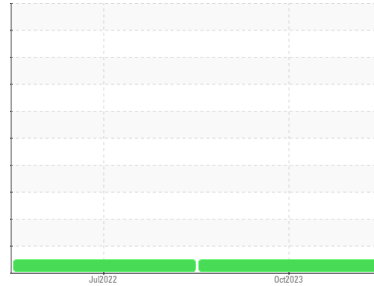


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**1523**

Component  
**Rear Center Transmission (Auto)**

Fluid  
**PETRO CANADA DuraDrive HD Synthetic 668 (17 LTR)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the fluid.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PC0076764</b>	PC0052690	---
Sample Date	Client Info			<b>13 Oct 2023</b>	07 Jul 2022	---
Machine Age	kms	Client Info		<b>511355</b>	458145	---
Oil Age	kms	Client Info		<b>53210</b>	60088	---
Oil Changed	Client Info			<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	<b>NEG</b>	NEG	---

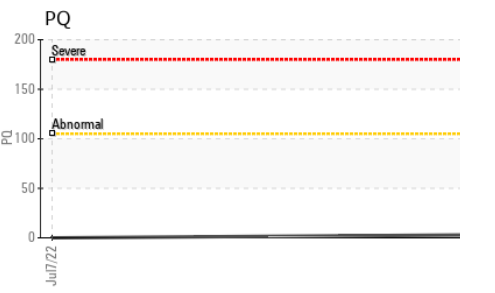
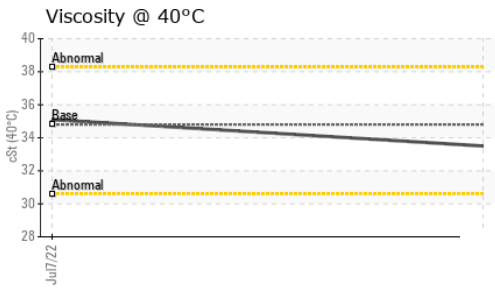
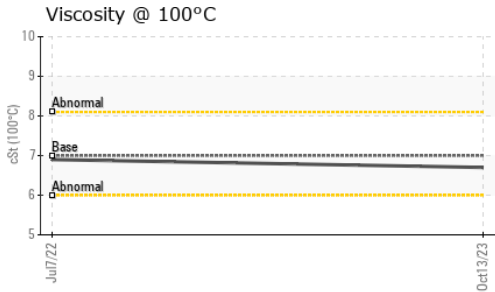
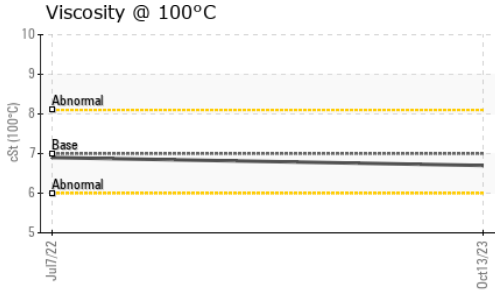
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*	>105	<b>3</b>	0	---
Iron	ppm	ASTM D5185(m)	>230	<b>39</b>	69	---
Chromium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>65	<b>7</b>	24	---
Lead	ppm	ASTM D5185(m)	>55	<b>4</b>	1	---
Copper	ppm	ASTM D5185(m)	>85	<b>8</b>	10	---
Tin	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	78	<b>35</b>	71	---
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	0	<b>1</b>	<1	---
Calcium	ppm	ASTM D5185(m)	113	<b>117</b>	38	---
Phosphorus	ppm	ASTM D5185(m)	222	<b>202</b>	198	---
Zinc	ppm	ASTM D5185(m)		<b>12</b>	8	---
Sulfur	ppm	ASTM D5185(m)	1326	<b>1425</b>	2629	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	<b>6</b>	6	---
Sodium	ppm	ASTM D5185(m)		<b>12</b>	9	---
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	1.4	<b>0.80</b>	1.45	---

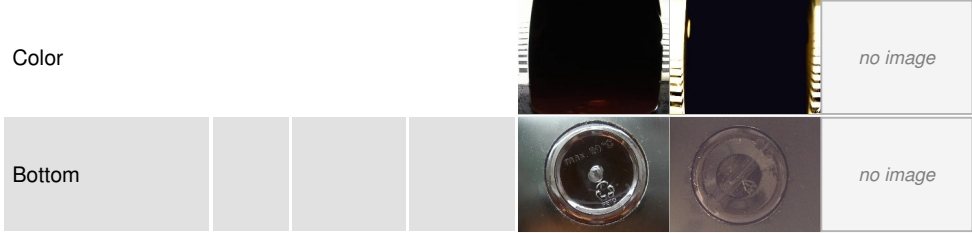
# OIL ANALYSIS REPORT



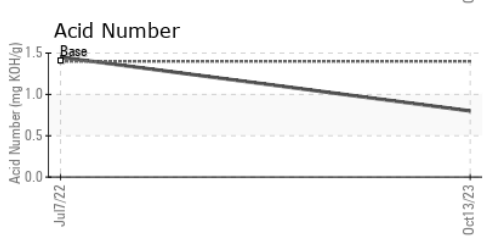
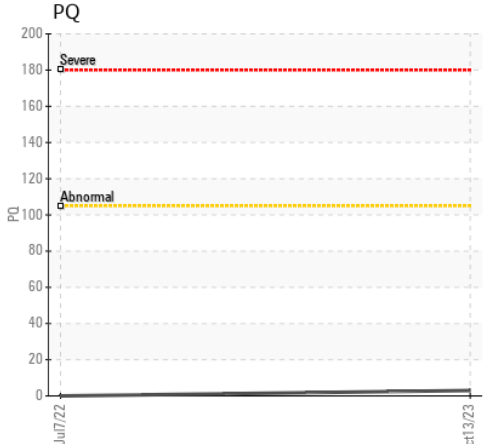
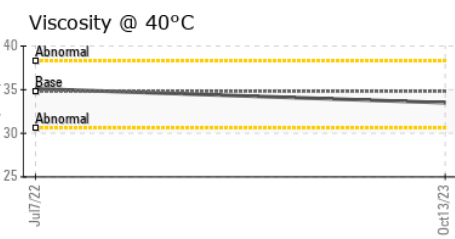
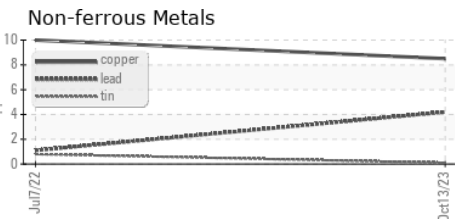
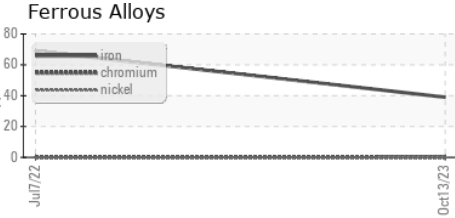
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---
Free Water	scalar	Visual*		NEG	---

PARAMETER	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	34.8	33.5	35.1
Visc @ 100°C	cSt	ASTM D7279(m)	7.0	6.7	6.9
Viscosity Index (VI)	Scale	ASTM D2270*	167	161	160

## SAMPLE IMAGES



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0076764 **Received** : 23 Nov 2023  
**Lab Number** : 02598483 **Diagnosed** : 24 Nov 2023  
**Unique Number** : 5683563 **Diagnostician** : Wes Davis  
**Test Package** : IND 2 ( 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: