

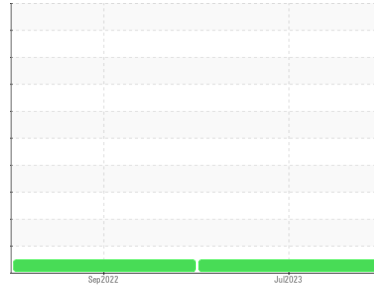
Machine Id
1417

Component

Rear Transmission (Auto)

Fluid

PETRO CANADA DuraDrive HD Synthetic 668 (24 LTR)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Trans oil interval over by 3003 kms.)

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			PC0061551	PC0052695	---
Sample Date	Client Info			13 Jul 2023	29 Sep 2022	---
Machine Age	kms	Client Info		565488	512485	---
Oil Age	kms	Client Info		53003	49754	---
Oil Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

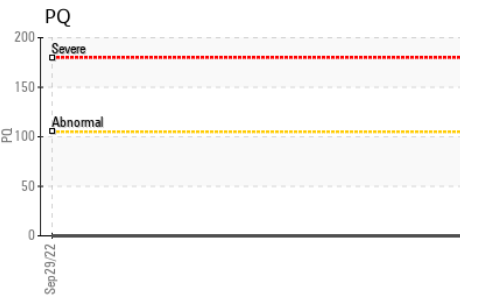
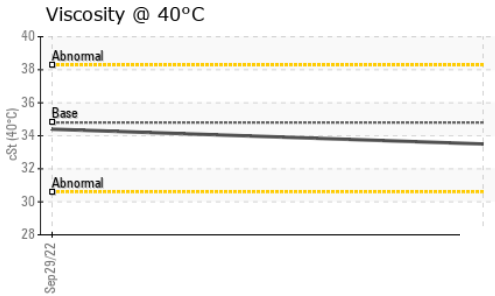
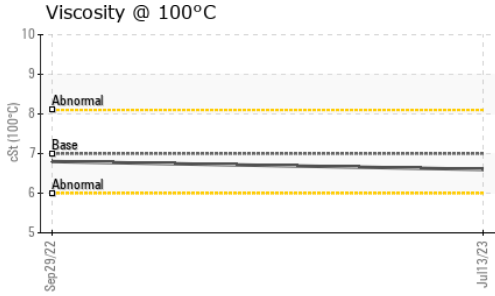
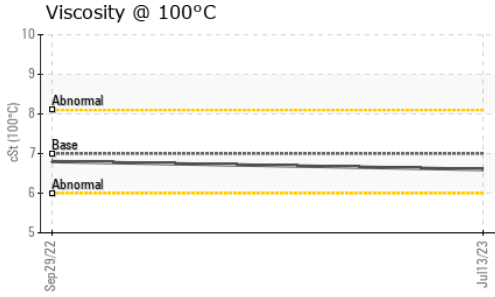
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*	>105	0	0	---
Iron	ppm	ASTM D5185(m)	>230	52	33	---
Chromium	ppm	ASTM D5185(m)	>2	<1	0	---
Nickel	ppm	ASTM D5185(m)	>5	<1	0	---
Titanium	ppm	ASTM D5185(m)	>2	<1	0	---
Silver	ppm	ASTM D5185(m)	>5	0	0	---
Aluminum	ppm	ASTM D5185(m)	>65	21	8	---
Lead	ppm	ASTM D5185(m)	>55	2	<1	---
Copper	ppm	ASTM D5185(m)	>85	8	4	---
Tin	ppm	ASTM D5185(m)	>5	1	<1	---
Antimony	ppm	ASTM D5185(m)		0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	78	58	65	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)	0	<1	<1	---
Manganese	ppm	ASTM D5185(m)		<1	<1	---
Magnesium	ppm	ASTM D5185(m)	0	1	<1	---
Calcium	ppm	ASTM D5185(m)	113	111	104	---
Phosphorus	ppm	ASTM D5185(m)	222	227	227	---
Zinc	ppm	ASTM D5185(m)		8	7	---
Sulfur	ppm	ASTM D5185(m)	1326	1640	1789	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	12	6	---
Sodium	ppm	ASTM D5185(m)		13	14	---
Potassium	ppm	ASTM D5185(m)	>20	1	2	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	1.4	1.23	1.35	---

OIL ANALYSIS REPORT



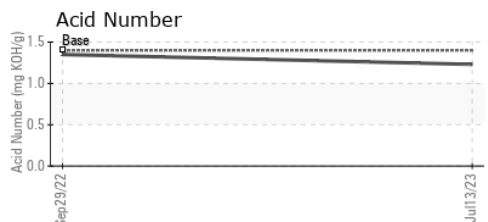
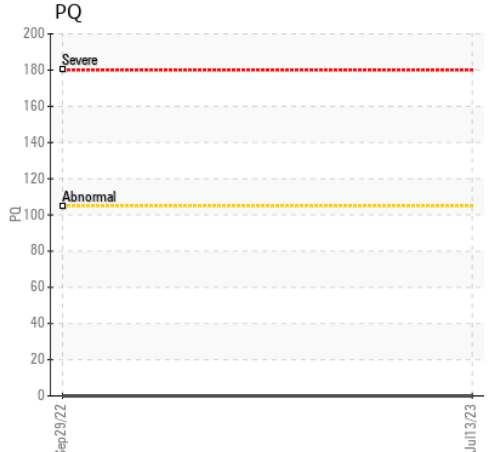
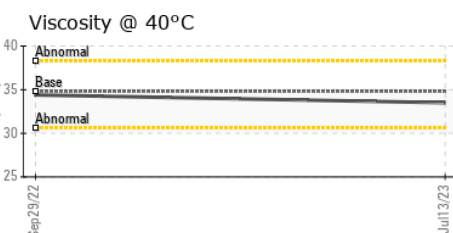
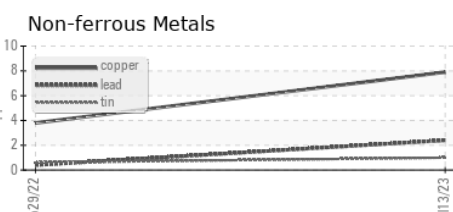
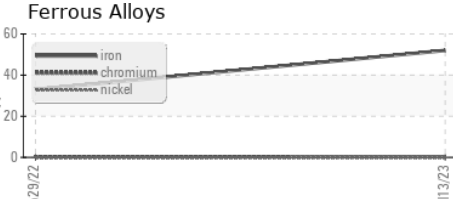
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	VLITE
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	34.8	33.5	34.4
Visc @ 100°C	cSt	ASTM D7279(m)	7.0	6.6	6.8
Viscosity Index (VI)	Scale	ASTM D2270*	167	156	160

SAMPLE IMAGES

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0061551 **Received** : 31 Jul 2023
Lab Number : 02573239 **Diagnosed** : 01 Aug 2023
Unique Number : 5618290 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: KV100, VI)

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

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.