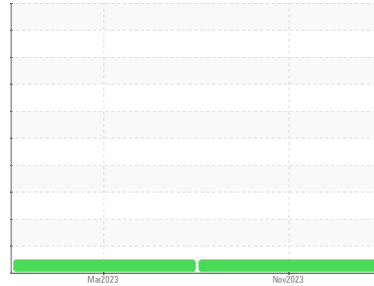


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
0963

Component
Rear Transmission (Auto)

Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (24 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			PC0076696	PC0052606	---
Sample Date	Client Info			07 Nov 2023	11 Mar 2023	---
Machine Age	kms	Client Info		822888	772006	---
Oil Age	kms	Client Info		50568	54371	---
Oil Changed	Client Info			Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

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

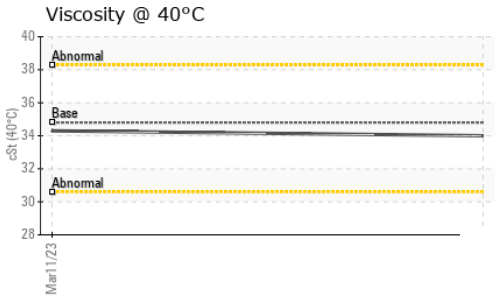
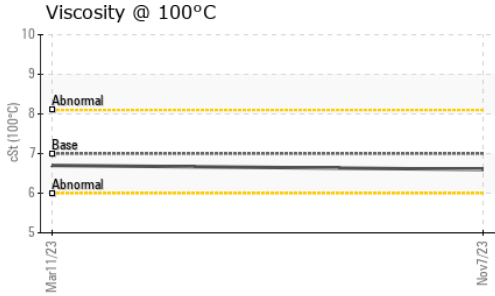
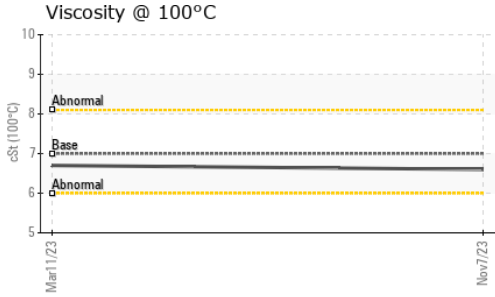
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*	>105	0	0	---
Iron	ppm	ASTM D5185(m)	>230	40	47	---
Chromium	ppm	ASTM D5185(m)	>2	0	0	---
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	---
Titanium	ppm	ASTM D5185(m)	>2	0	0	---
Silver	ppm	ASTM D5185(m)	>5	<1	0	---
Aluminum	ppm	ASTM D5185(m)	>65	14	15	---
Lead	ppm	ASTM D5185(m)	>55	3	5	---
Copper	ppm	ASTM D5185(m)	>85	8	19	---
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	54	---
Barium	ppm	ASTM D5185(m)		<1	0	---
Molybdenum	ppm	ASTM D5185(m)	0	0	<1	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)	0	2	<1	---
Calcium	ppm	ASTM D5185(m)	113	124	121	---
Phosphorus	ppm	ASTM D5185(m)	222	217	228	---
Zinc	ppm	ASTM D5185(m)		7	6	---
Sulfur	ppm	ASTM D5185(m)	1326	1426	1530	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	5	6	---
Sodium	ppm	ASTM D5185(m)		14	23	---
Potassium	ppm	ASTM D5185(m)	>20	0	<1	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	1.4	1.26	1.32	---

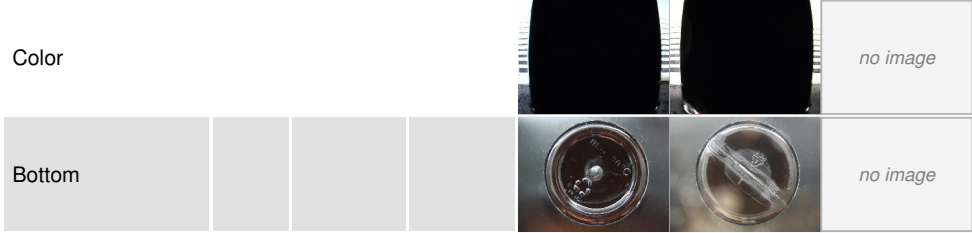
OIL ANALYSIS REPORT



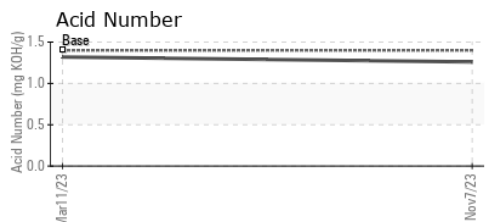
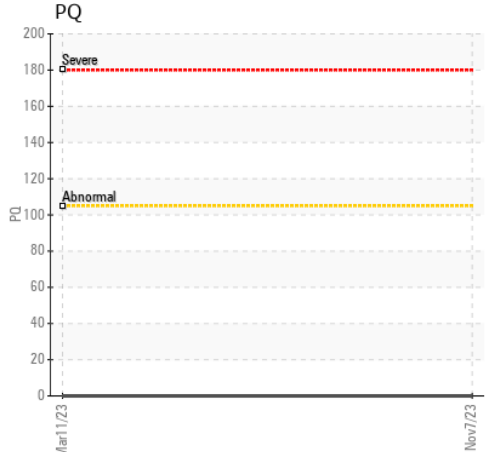
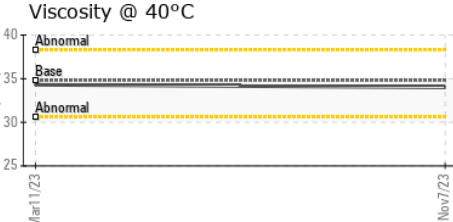
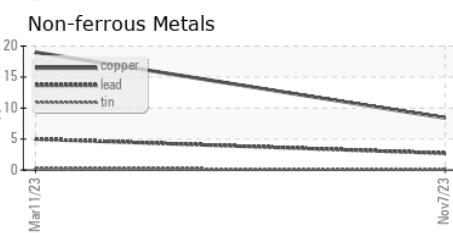
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	34.8	34.0	34.3
Visc @ 100°C	cSt	ASTM D7279(m)	7.0	6.6	6.7
Viscosity Index (VI)	Scale	ASTM D2270*	167	153	156

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0076696 **Received** : 23 Nov 2023
Lab Number : 02598476 **Diagnosed** : 24 Nov 2023
Unique Number : 5683556 **Diagnostician** : Wes Davis
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.