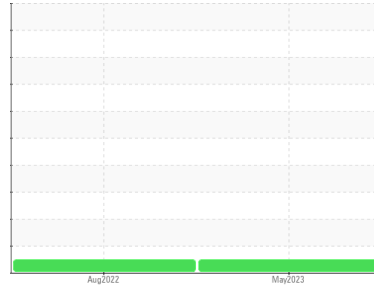


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
1209

Component
Rear Transmission (Auto)

Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (30)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Changed during MVI)

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	history 1	history 2
Sample Number	Client Info		PC0061462	PC0052699	---
Sample Date	Client Info		11 May 2023	17 Aug 2022	---
Machine Age	kms	Client Info	606230	560452	---
Oil Age	kms	Client Info	45778	52270	---
Oil Changed	Client Info		Changed	Changed	---
Sample Status			NORMAL	NORMAL	---

WEAR METALS

	method	limit/base	current	history 1	history 2
PQ	ASTM D8184*	>105	0	0	---
Iron	ppm	ASTM D5185(m)	>230	30	57
Chromium	ppm	ASTM D5185(m)	>2	0	0
Nickel	ppm	ASTM D5185(m)	>5	0	0
Titanium	ppm	ASTM D5185(m)	>2	0	0
Silver	ppm	ASTM D5185(m)	>5	0	0
Aluminum	ppm	ASTM D5185(m)	>65	6	14
Lead	ppm	ASTM D5185(m)	>55	2	3
Copper	ppm	ASTM D5185(m)	>85	5	23
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	history 1	history 2
Boron	ppm	ASTM D5185(m)	78	50	44
Barium	ppm	ASTM D5185(m)		0	0
Molybdenum	ppm	ASTM D5185(m)	0	<1	0
Manganese	ppm	ASTM D5185(m)		<1	<1
Magnesium	ppm	ASTM D5185(m)	0	2	<1
Calcium	ppm	ASTM D5185(m)	113	122	58
Phosphorus	ppm	ASTM D5185(m)	222	214	209
Zinc	ppm	ASTM D5185(m)		8	9
Sulfur	ppm	ASTM D5185(m)	1326	1461	2401
Lithium	ppm	ASTM D5185(m)		<1	<1

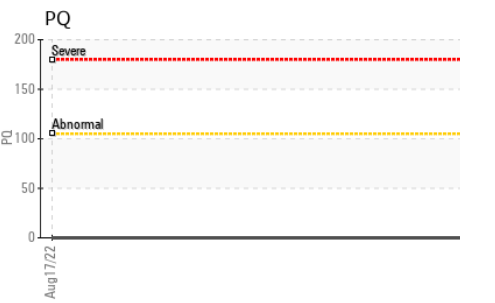
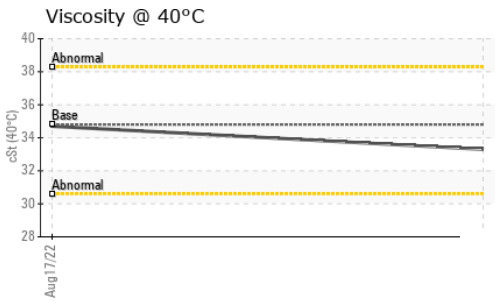
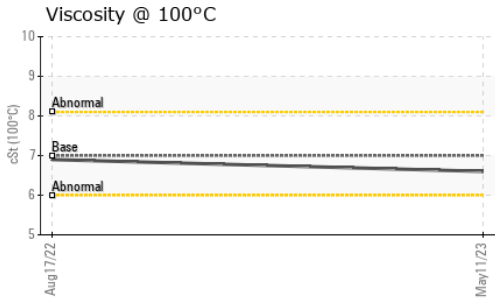
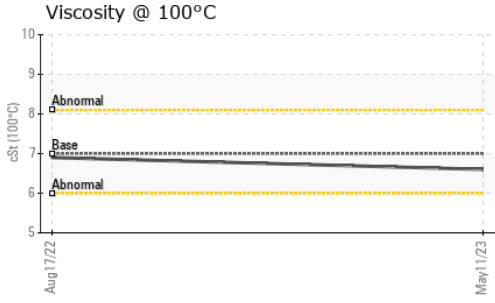
CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185(m)	>20	6	9
Sodium	ppm	ASTM D5185(m)		22	24
Potassium	ppm	ASTM D5185(m)	>20	<1	2

FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D974*	1.4	1.05	1.38

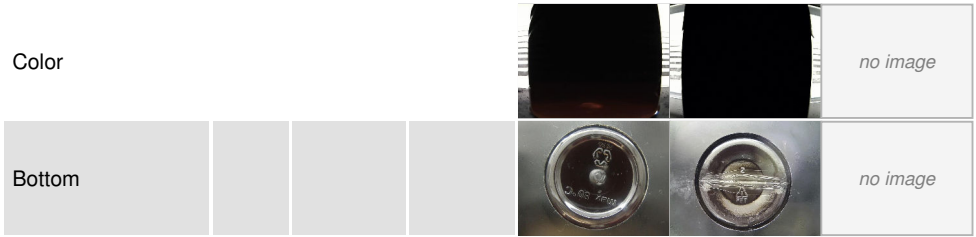
OIL ANALYSIS REPORT



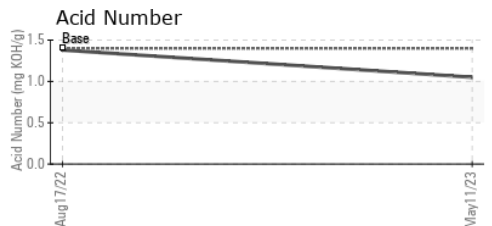
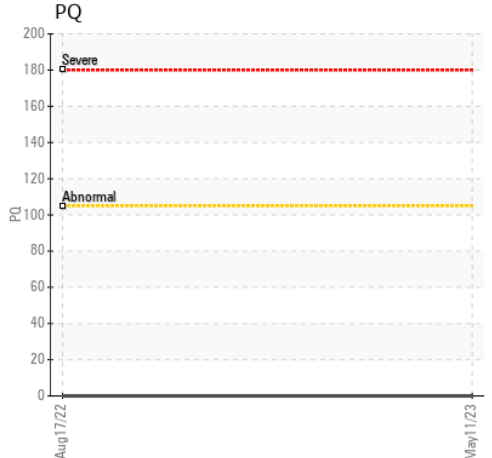
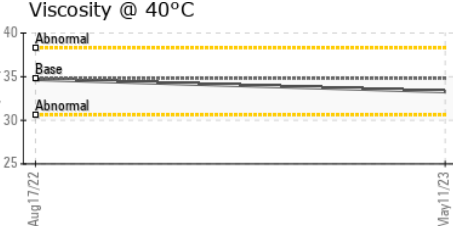
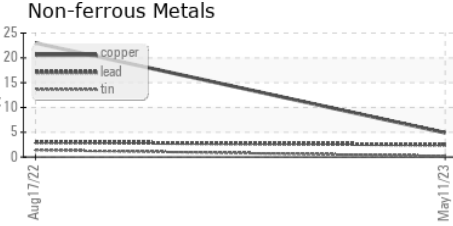
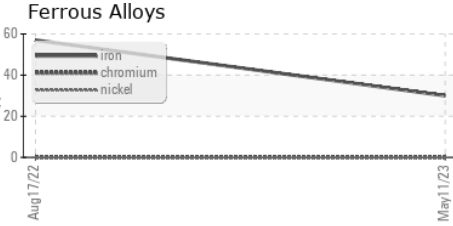
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D2729(m)	34.8	33.3	34.7
Visc @ 100°C	cSt	ASTM D2729(m)	7.0	6.6	6.9
Viscosity Index (VI)	Scale	ASTM D2270*	167	158	163

SAMPLE IMAGES



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0061462 **Received** : 05 Jul 2023
Lab Number : 02568026 **Diagnosed** : 05 Jul 2023
Unique Number : 5605072 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: KV100, TAN Man, 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.