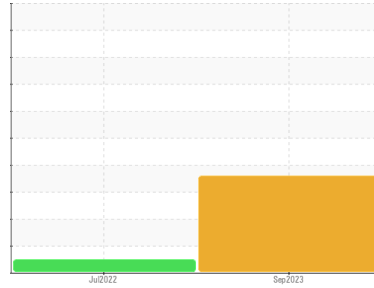


PROBLEM SUMMARY

Sample Rating Trend



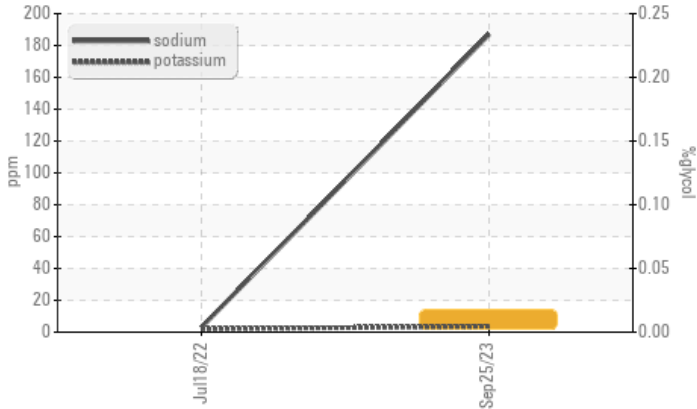
GLYCOL



Machine Id
0150
Component
Rear Left Transmission (Auto)
Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (22 LTR)

COMPONENT CONDITION SUMMARY

▲ Glycol Contamination



RECOMMENDATION

We advise that you check for the source of the coolant leak. The fluid change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION	NORMAL	---
Sodium	ppm	ASTM D5185(m)	▲ 187	3	---
Glycol	%	ASTM D7922*	▲ 0.017	---	---

Customer Id: STJNEW
Sample No.: PC0062034
Lab Number: 02588314
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Wes Davis +1 905-569-8600 x223
wesd@wearcheck.ca

To change component or sample information:
Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Glycol Access	---	---	?	We advise that you check for the source of the coolant leak.

HISTORICAL DIAGNOSIS

18 Jul 2022 Diag: Wes Davis

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

view report





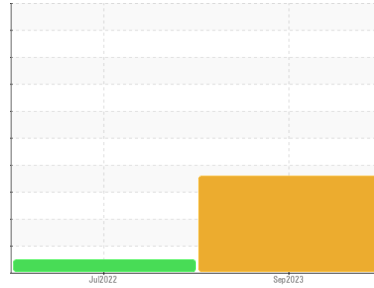
Machine Id
0150

Component

Rear Left Transmission (Auto)

Fluid

PETRO CANADA DuraDrive HD Synthetic 668 (22 LTR)



DIAGNOSIS

Recommendation

We advise that you check for the source of the coolant leak. The fluid change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

Test for glycol is positive. There is a light concentration of glycol present in the fluid.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service. The fluid is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PC0062034	PC0052691	---
Sample Date	Client Info		25 Sep 2023	18 Jul 2022	---
Machine Age	kms	Client Info	1085882	1030822	---
Oil Age	kms	Client Info	54984	50233	---
Oil Changed	Client Info		Changed	Changed	---
Sample Status			ATTENTION	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*	>105	0	55	---
Iron	ppm	ASTM D5185(m)	>230	129	184
Chromium	ppm	ASTM D5185(m)	>2	0	<1
Nickel	ppm	ASTM D5185(m)	>5	0	0
Titanium	ppm	ASTM D5185(m)	>2	0	0
Silver	ppm	ASTM D5185(m)	>5	<1	0
Aluminum	ppm	ASTM D5185(m)	>65	5	9
Lead	ppm	ASTM D5185(m)	>55	8	<1
Copper	ppm	ASTM D5185(m)	>85	51	5
Tin	ppm	ASTM D5185(m)	>5	<1	<1
Antimony	ppm	ASTM D5185(m)		0	0
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	15	72
Barium	ppm	ASTM D5185(m)		<1	0
Molybdenum	ppm	ASTM D5185(m)	0	6	0
Manganese	ppm	ASTM D5185(m)		2	3
Magnesium	ppm	ASTM D5185(m)	0	1	<1
Calcium	ppm	ASTM D5185(m)	113	113	79
Phosphorus	ppm	ASTM D5185(m)	222	203	187
Zinc	ppm	ASTM D5185(m)		12	5
Sulfur	ppm	ASTM D5185(m)	1326	1569	2032
Lithium	ppm	ASTM D5185(m)		<1	<1

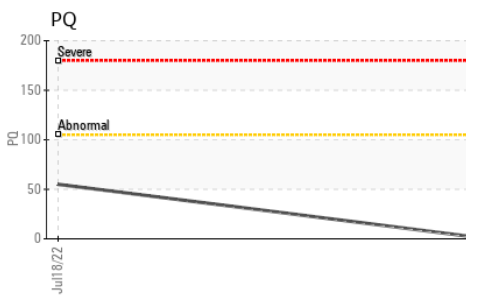
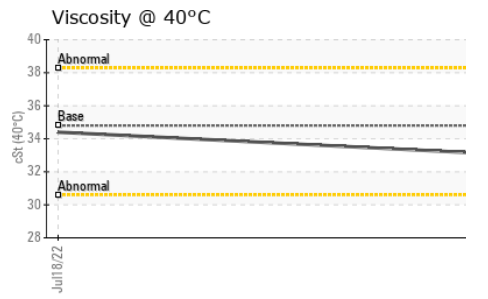
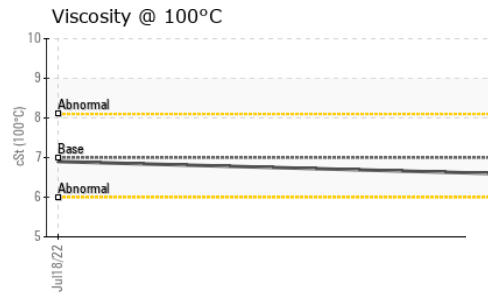
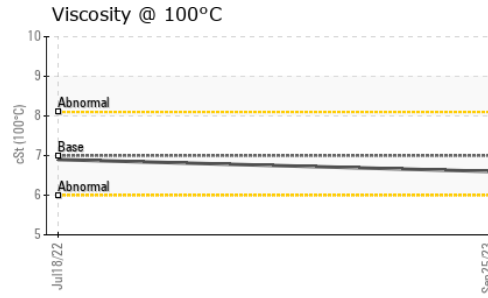
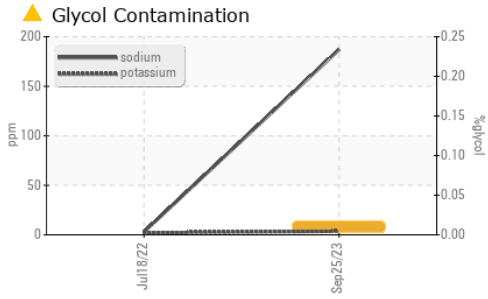
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	5	5
Sodium	ppm	ASTM D5185(m)		▲ 187	3
Potassium	ppm	ASTM D5185(m)	>20	4	2
Glycol	%	ASTM D7922*		▲ 0.017	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	1.4	0.79	1.13

OIL ANALYSIS REPORT

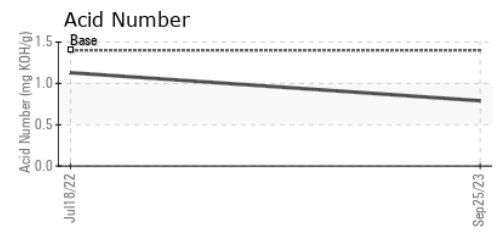
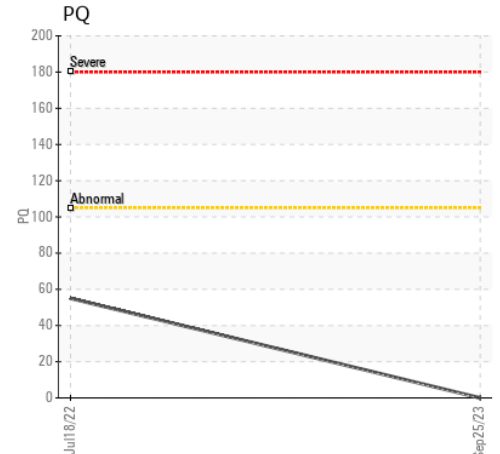
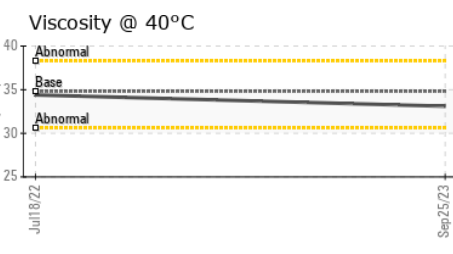
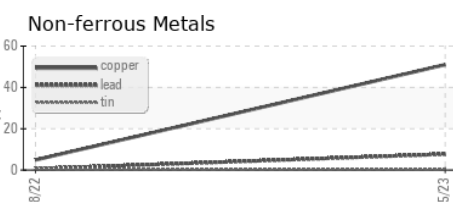
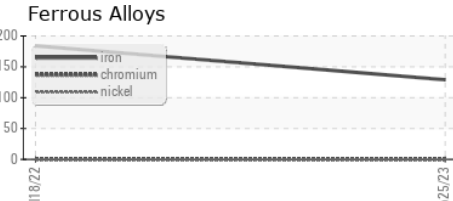


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	LIGHT
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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	33.1	34.4
Visc @ 100°C	cSt	ASTM D7279(m)	7.0	6.6	6.9
Viscosity Index (VI)	Scale	ASTM D2270*	167	159	165

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0062034 **Received** : 11 Oct 2023
Lab Number : 02588314 **Diagnosed** : 12 Oct 2023
Unique Number : 5657380 **Diagnostician** : Wes Davis
Test Package : IND 2 (Additional Tests: Glycol, KV100, TAN Man, VI)

Metrobus Transit
 25 Messenger Drive
 St. John's, NL
 CA A1B 0H6
 Contact: Dan Finlay
 dan.finlay@metrobus.com
 T:
 F:

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.