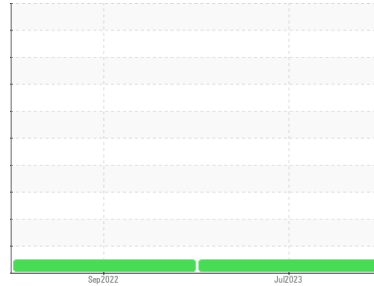


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
1525

Component
Transmission (Auto)

Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (28)

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		PC0061550	PC0052692	---
Sample Date	Client Info		06 Jul 2023	21 Sep 2022	---
Machine Age	kms	Client Info	536531	482793	---
Oil Age	kms	Client Info	53333	55642	---
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	36	59
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	<1	0
Aluminum	ppm	ASTM D5185(m)	>65	15	21
Lead	ppm	ASTM D5185(m)	>55	2	4
Copper	ppm	ASTM D5185(m)	>85	12	19
Tin	ppm	ASTM D5185(m)	>5	2	2
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	63	51
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	5
Calcium	ppm	ASTM D5185(m)	113	108	120
Phosphorus	ppm	ASTM D5185(m)	222	229	224
Zinc	ppm	ASTM D5185(m)		7	13
Sulfur	ppm	ASTM D5185(m)	1326	1588	1515
Lithium	ppm	ASTM D5185(m)		<1	<1

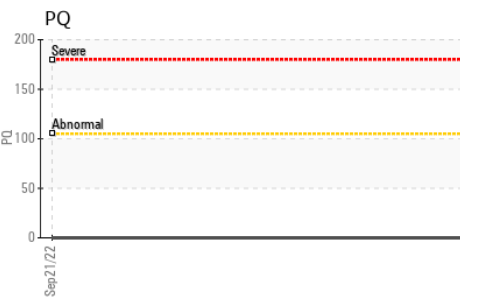
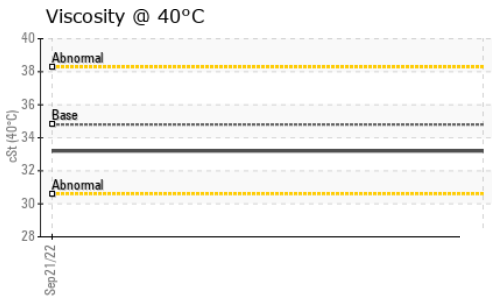
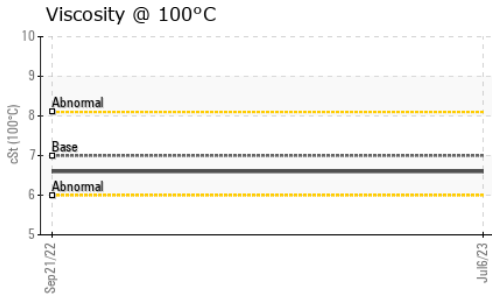
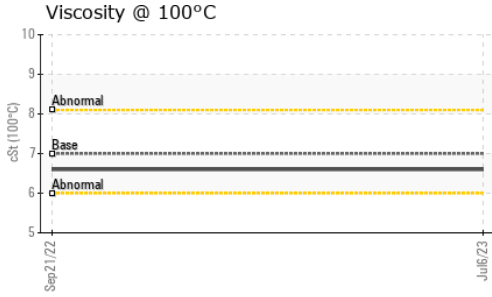
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	5	8
Sodium	ppm	ASTM D5185(m)		4	8
Potassium	ppm	ASTM D5185(m)	>20	2	3

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	1.4	0.93	1.19

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	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---
Free Water	scalar	Visual*		NEG	---

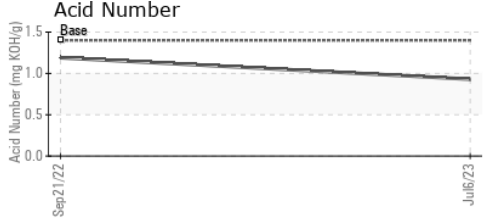
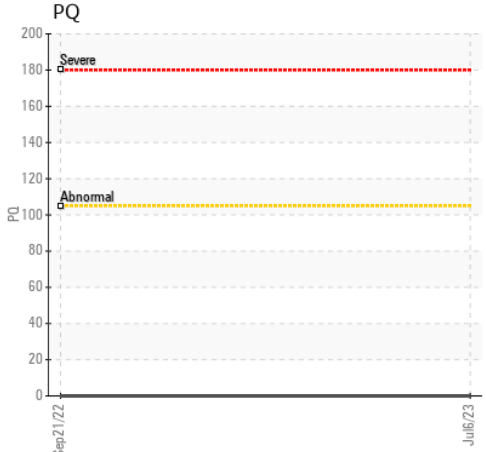
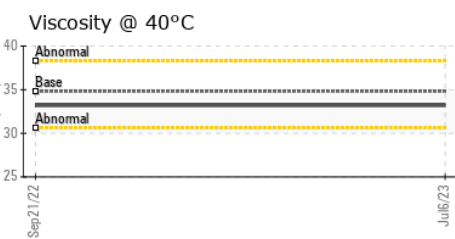
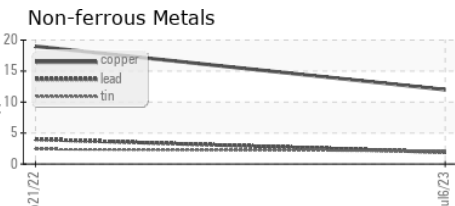
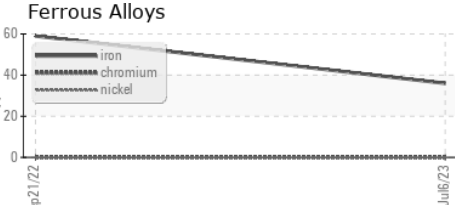
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	34.8	33.2	---
Visc @ 100°C	cSt	ASTM D7279(m)	7.0	6.6	---
Viscosity Index (VI)	Scale	ASTM D2270*	167	158	---

SAMPLE IMAGES

Color: no image

Bottom: no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0061550 **Received** : 31 Jul 2023
Lab Number : 02573237 **Diagnosed** : 01 Aug 2023
Unique Number : 5618288 **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.