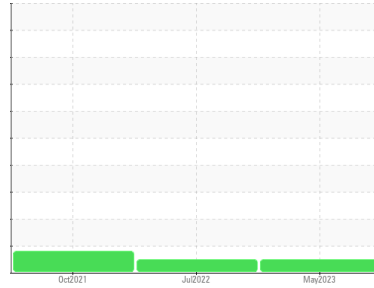


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**0860**

Component  
**Transmission (Auto)**

Fluid  
**PETRO CANADA DURADRIVE HD SYNTHETIC ATF (24 LTR)**

**DIAGNOSIS**

**Recommendation**

Resample at the next service interval to monitor. ( Customer Sample Comment: 51492 km on oil and filter. No reported issues with transmission. )

**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		<b>PC0061460</b>	PC0052688	PC0052062
Sample Date	Client Info		<b>02 May 2023</b>	25 Jul 2022	29 Oct 2021
Machine Age	kms	Client Info	<b>851404</b>	799912	0
Oil Age	kms	Client Info	<b>51492</b>	55120	52000
Oil Changed		Client Info	<b>Changed</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	ABNORMAL

**WEAR METALS**

	method	limit/base	current	history 1	history 2
PQ	ASTM D8184*	>105	<b>0</b>	0	0
Iron	ppm	ASTM D5185(m)	>230	<b>52</b>	47
Chromium	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	0
Aluminum	ppm	ASTM D5185(m)	>65	<b>28</b>	28
Lead	ppm	ASTM D5185(m)	>55	<b>10</b>	6
Copper	ppm	ASTM D5185(m)	>85	<b>10</b>	9
Tin	ppm	ASTM D5185(m)	>5	<b>3</b>	3
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0

**ADDITIVES**

	method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185(m)		<b>51</b>	62
Barium	ppm	ASTM D5185(m)		<b>0</b>	0
Molybdenum	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1
Magnesium	ppm	ASTM D5185(m)		<b>2</b>	2
Calcium	ppm	ASTM D5185(m)		<b>108</b>	106
Phosphorus	ppm	ASTM D5185(m)		<b>218</b>	213
Zinc	ppm	ASTM D5185(m)		<b>7</b>	9
Sulfur	ppm	ASTM D5185(m)		<b>1302</b>	1178
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1

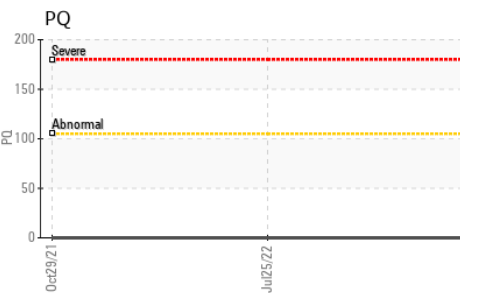
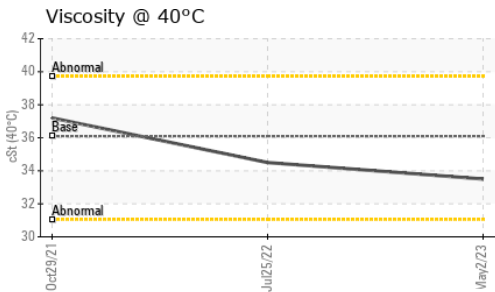
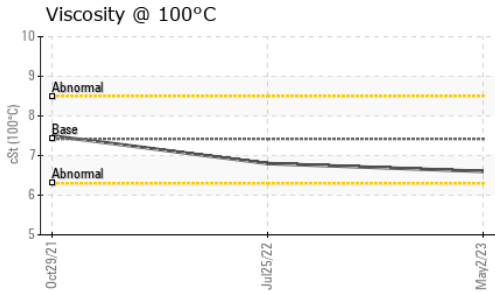
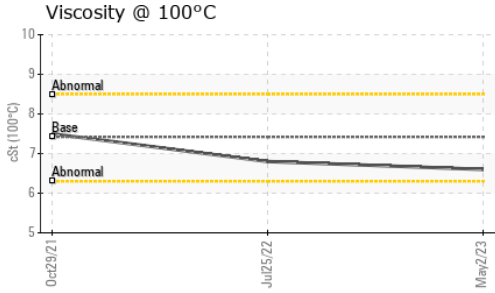
**CONTAMINANTS**

	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185(m)	>20	<b>6</b>	6
Sodium	ppm	ASTM D5185(m)		<b>11</b>	8
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	3

**FLUID DEGRADATION**

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>1.52</b>	1.48

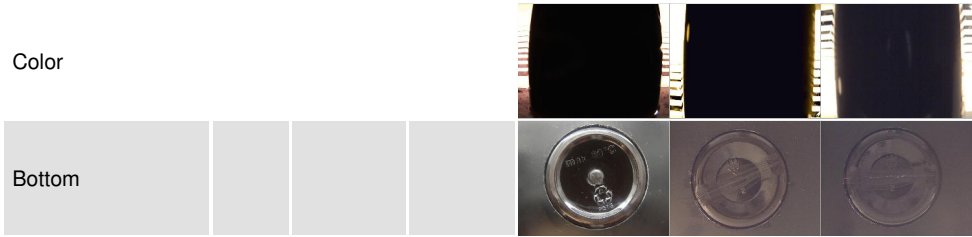
# OIL ANALYSIS REPORT



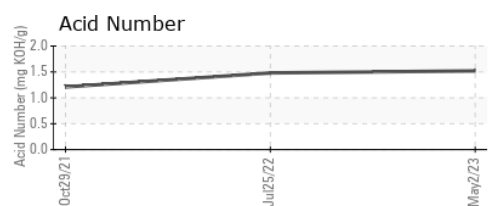
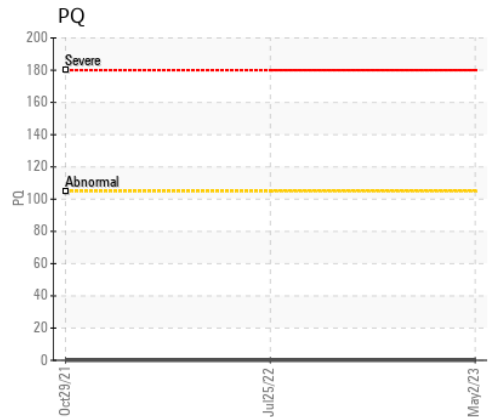
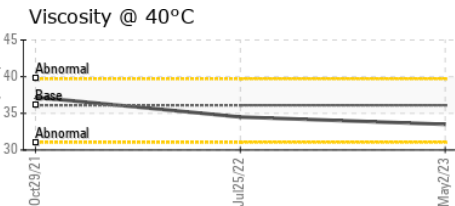
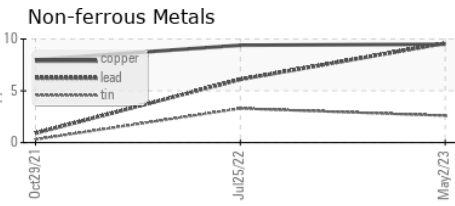
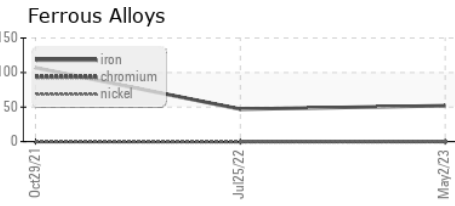
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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	history 1	history 2
Visc @ 40°C	cSt	ASTM D7279(m)	36.1	33.5	34.5
Visc @ 100°C	cSt	ASTM D7279(m)	7.42	6.6	6.8
Viscosity Index (VI)	Scale	ASTM D2270*	178	156	159

## SAMPLE IMAGES



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0061460 **Received** : 05 Jul 2023  
**Lab Number** : 02568022 **Diagnosed** : 05 Jul 2023  
**Unique Number** : 5605068 **Diagnostician** : Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: KV100, TAN Man, VI )

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.

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