

# OIL ANALYSIS REPORT

Sample Rating Trend



**VISCOSITY**



Machine Id  
**VERSATILE VERSATILE 450DT**

Component  
**Transmission (Auto)**

Fluid  
**PETRO CANADA DURATRAN (--- GAL)**

**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 fluid viscosity is lower than typical, possibly indicating the addition of lighter grade fluid. The condition of the fluid is acceptable for the time in service.

**SAMPLE INFORMATION**    method    limit/base    current    history1    history2

Sample Number	Client Info		<b>PC0067002</b>	---	---
Sample Date	Client Info		<b>29 Feb 2024</b>	---	---
Machine Age	hrs	Client Info	<b>1250</b>	---	---
Oil Age	hrs	Client Info	<b>1250</b>	---	---
Oil Changed		Client Info	<b>Changed</b>	---	---
Sample Status			<b>ABNORMAL</b>	---	---

**CONTAMINATION**    method    limit/base    current    history1    history2

Water	WC Method	>0.1	<b>NEG</b>	---	---
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**WEAR METALS**    method    limit/base    current    history1    history2

Iron	ppm	ASTM D5185(m)	>160	<b>57</b>	---	---
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m)	>225	<b>9</b>	---	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	---	---

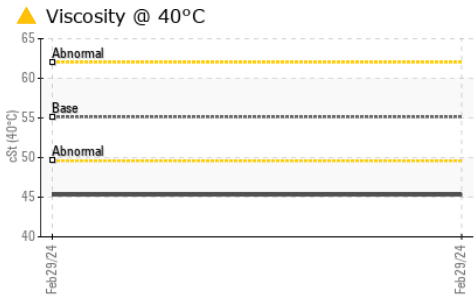
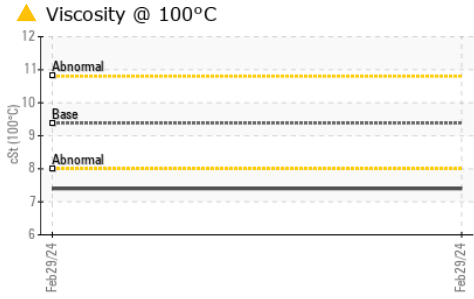
**ADDITIVES**    method    limit/base    current    history1    history2

Boron	ppm	ASTM D5185(m)	110	<b>100</b>	---	---
Barium	ppm	ASTM D5185(m)	0.0	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	0.0	<b>2</b>	---	---
Manganese	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185(m)	13	<b>20</b>	---	---
Calcium	ppm	ASTM D5185(m)	3610	<b>3464</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	1192	<b>1111</b>	---	---
Zinc	ppm	ASTM D5185(m)	1455	<b>1330</b>	---	---
Sulfur	ppm	ASTM D5185(m)	2641	<b>2960</b>	---	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---

**CONTAMINANTS**    method    limit/base    current    history1    history2

Silicon	ppm	ASTM D5185(m)	>20	<b>10</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>5</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	---	---

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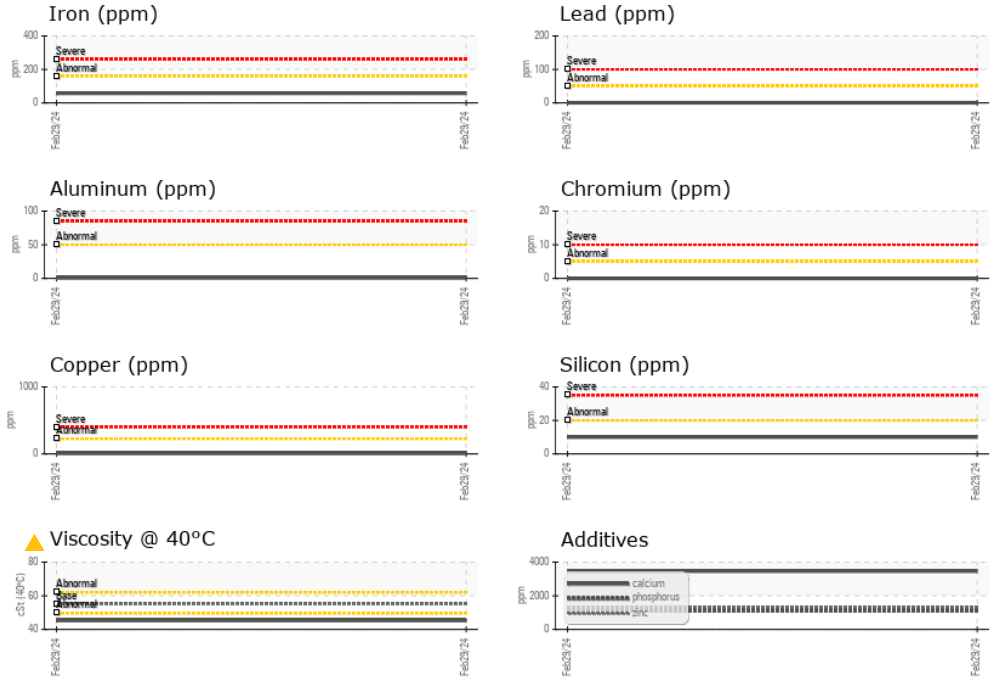


VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D279(m)	55.14	▲ <b>45.3</b>	---	---
Visc @ 100°C	cSt	ASTM D279(m)	9.38	▲ <b>7.4</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	153	<b>127</b>	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0067002      **Received** : 15 Mar 2024  
**Lab Number** : **02622402**      **Tested** : 15 Mar 2024  
**Unique Number** : 5747521      **Diagnosed** : 15 Mar 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: KV100, 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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