



Machine Id  
**165171 DRIVE**

Component  
**Gearbox**

Fluid  
**PETRO CANADA TURBOFLO R&O 220 (--- GAL)**

**DIAGNOSIS**

**Recommendation**

Resample at the next service interval to monitor.  
NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

**Wear**

All component wear rates are normal.

**Contamination**

There is no indication of any contamination in the oil.

**Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

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

Sample Number	Client Info	<b>PC0070422</b>	---	---
Sample Date	Client Info	<b>08 Aug 2023</b>	---	---
Machine Age	mths Client Info	<b>0</b>	---	---
Oil Age	mths Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

**WEAR METALS** method limit/base current history1 history2

PQ	ASTM D8184*		<b>0</b>	---	---
Iron	ppm ASTM D5185(m)	>200	<b>&lt;1</b>	---	---
Chromium	ppm ASTM D5185(m)	>15	<b>0</b>	---	---
Nickel	ppm ASTM D5185(m)	>15	<b>0</b>	---	---
Titanium	ppm ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm ASTM D5185(m)		<b>0</b>	---	---
Aluminum	ppm ASTM D5185(m)	>25	<b>&lt;1</b>	---	---
Lead	ppm ASTM D5185(m)	>100	<b>0</b>	---	---
Copper	ppm ASTM D5185(m)	>200	<b>0</b>	---	---
Tin	ppm ASTM D5185(m)	>25	<b>0</b>	---	---
Antimony	ppm ASTM D5185(m)	>5	<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)		<b>&lt;1</b>	---	---
Barium	ppm ASTM D5185(m)		<b>0</b>	---	---
Molybdenum	ppm ASTM D5185(m)		<b>0</b>	---	---
Manganese	ppm ASTM D5185(m)		<b>0</b>	---	---
Magnesium	ppm ASTM D5185(m)		<b>0</b>	---	---
Calcium	ppm ASTM D5185(m)	0	<b>&lt;1</b>	---	---
Phosphorus	ppm ASTM D5185(m)	4	<b>9</b>	---	---
Zinc	ppm ASTM D5185(m)	0	<b>3</b>	---	---
Sulfur	ppm ASTM D5185(m)		<b>1036</b>	---	---
Lithium	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---

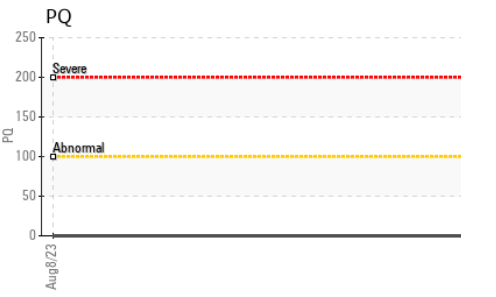
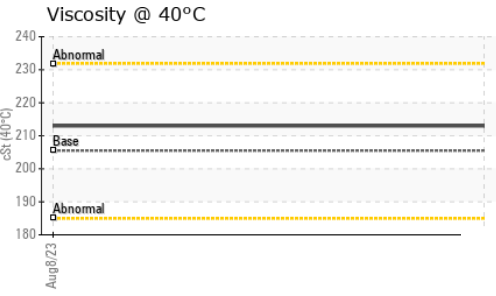
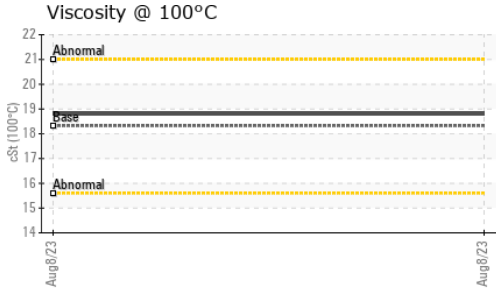
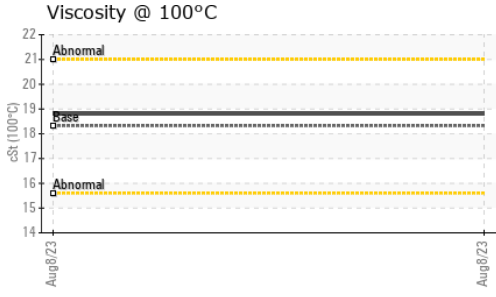
**CONTAMINANTS** method limit/base current history1 history2

Silicon	ppm ASTM D5185(m)	>50	<b>&lt;1</b>	---	---
Sodium	ppm ASTM D5185(m)		<b>0</b>	---	---
Potassium	ppm ASTM D5185(m)	>20	<b>&lt;1</b>	---	---

**FLUID DEGRADATION** method limit/base current history1 history2

Acid Number (AN)	mg KOH/g ASTM D974*	0.17	<b>0.11</b>	---	---
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# OIL ANALYSIS REPORT

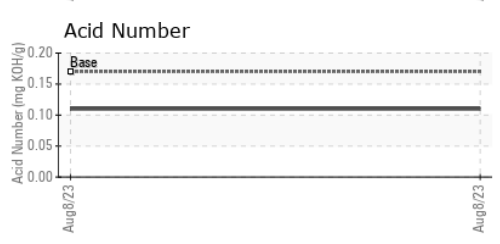
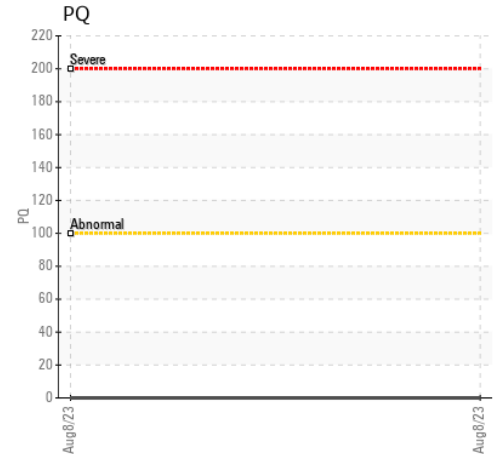
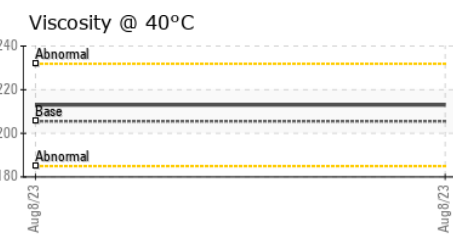
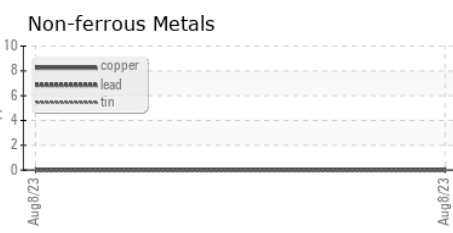


VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	205.5	213	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	18.32	18.8	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	98	98	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0070422 **Received** : 17 Aug 2023  
**Lab Number** : 02576566 **Diagnosed** : 21 Aug 2023  
**Unique Number** : 5629626 **Diagnostician** : Wes Davis  
**Test Package** : IND 2 ( Additional Tests: KV100, VI )

**Dryden Fibre**  
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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.