

# PROBLEM SUMMARY

Sample Rating Trend



ISO



Machine Id

**5**

Component

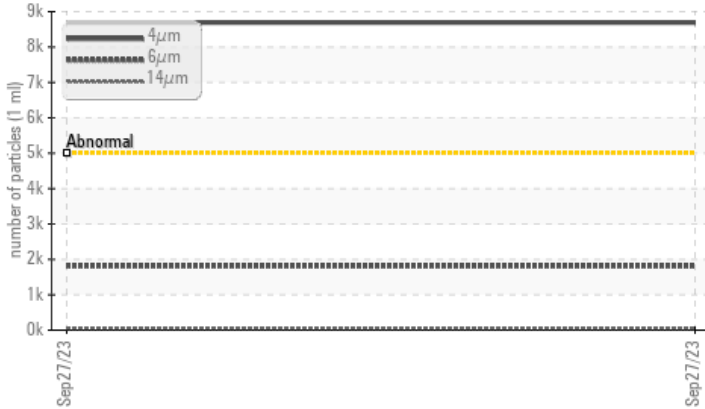
**New (Unused) Oil**

Fluid

**PETRO CANADA TRAXON XL SYN BLEND 80W140 (--- GAL)**

## COMPONENT CONDITION SUMMARY

### ▲ Particle Trend



## RECOMMENDATION

This is the baseline readout on this new (unused) oil. The fluid is suitable for service. Resample at the next service interval to monitor. NOTE: New oils are not generally filtered or guaranteed to a certain cleanliness code. We advise that you verify the target cleanliness code for your application and recommend the use of a portable filter cart to fill any system with a target code below the ISO cleanliness code of this product.

## PROBLEMATIC TEST RESULTS

Sample Status	ATTENTION	---	---
Particles >4µm	ASTM D7647 >5000	▲ <b>8688</b>	---
Particles >6µm	ASTM D7647 >1300	▲ <b>1810</b>	---
Oil Cleanliness	ISO 4406 (c) >19/17/14	▲ <b>20/18/13</b>	---

**Customer Id:** PROAMO  
**Sample No.:** PC0080889  
**Lab Number:** 02586746  
**Test Package:** IND 2



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To discuss the diagnosis or test data:  
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## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Alert	---	---	?	NOTE: New oils are not generally filtered or guaranteed to a certain cleanliness code. We advise that you verify the target cleanliness code for your application and recommend the use of a portable filter cart to fill any system with a target code below the ISO cleanliness code of this product.

## HISTORICAL DIAGNOSIS



Machine Id

**5**

Component

**New (Unused) Oil**

Fluid

**PETRO CANADA TRAXON XL SYN BLEND 80W140 (--- GAL)**



## DIAGNOSIS

### Recommendation

This is the baseline readout on this new (unused) oil. The fluid is suitable for service. Resample at the next service interval to monitor. NOTE: New oils are not generally filtered or guaranteed to a certain cleanliness code. We advise that you verify the target cleanliness code for your application and recommend the use of a portable filter cart to fill any system with a target code below the ISO cleanliness code of this product.

### Wear

{not applicable}

### Contamination

There is a light amount of silt (particulates < 14 microns in size) present in the oil.

### Fluid Condition

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

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PC0080889</b>	---	---
Sample Date	Client Info	<b>27 Sep 2023</b>	---	---
Machine Age	hrs Client Info	<b>0</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>ATTENTION</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Chromium ppm ASTM D5185(m)		<b>0</b>	---	---
Nickel ppm ASTM D5185(m)		<b>0</b>	---	---
Titanium ppm ASTM D5185(m)		<b>0</b>	---	---
Silver ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Aluminum ppm ASTM D5185(m)		<b>0</b>	---	---
Lead ppm ASTM D5185(m)		<b>0</b>	---	---
Copper ppm ASTM D5185(m)		<b>0</b>	---	---
Tin ppm ASTM D5185(m)		<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)	246	<b>228</b>	---	---
Barium ppm ASTM D5185(m)	1	<b>&lt;1</b>	---	---
Molybdenum ppm ASTM D5185(m)		<b>0</b>	---	---
Manganese ppm ASTM D5185(m)		<b>0</b>	---	---
Magnesium ppm ASTM D5185(m)	1	<b>1</b>	---	---
Calcium ppm ASTM D5185(m)	2	<b>4</b>	---	---
Phosphorus ppm ASTM D5185(m)	976	<b>888</b>	---	---
Zinc ppm ASTM D5185(m)	3	<b>3</b>	---	---
Sulfur ppm ASTM D5185(m)	15600	<b>15104</b>	---	---
Lithium ppm ASTM D5185(m)		<b>&lt;1</b>	---	---

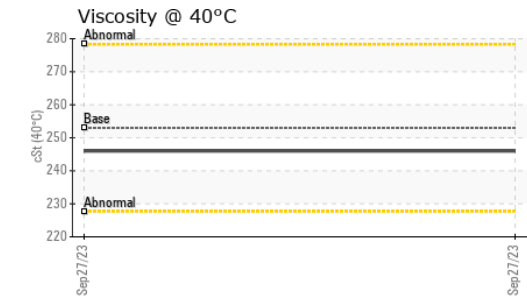
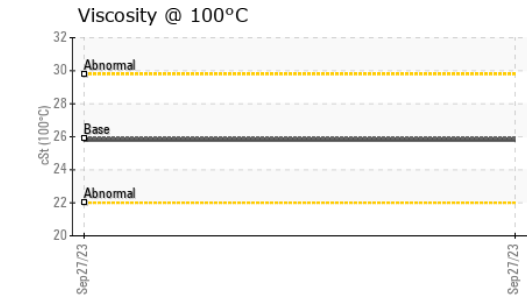
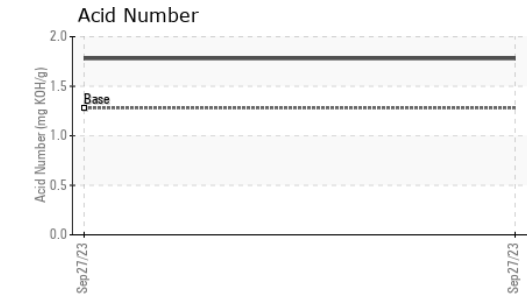
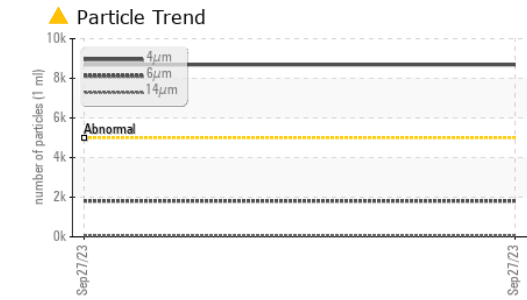
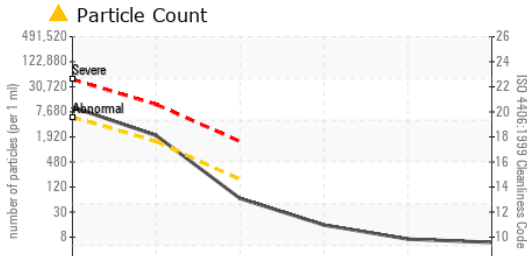
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185(m)		<b>1</b>	---	---
Sodium ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Potassium ppm ASTM D5185(m)	>20	<b>0</b>	---	---

## INFRA-RED

method	limit/base	current	history1	history2
Soot % ASTM D7844*		<b>0</b>	---	---
Nitration Abs/cm ASTM D7624*		<b>2.8</b>	---	---
Sulfation Abs/.1mm ASTM D7415*		<b>24.2</b>	---	---

# OIL ANALYSIS REPORT





FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	▲ 8688	---	---
Particles >6µm	ASTM D7647	>1300	▲ 1810	---	---
Particles >14µm	ASTM D7647	>160	56	---	---
Particles >21µm	ASTM D7647	>40	13	---	---
Particles >38µm	ASTM D7647	>10	6	---	---
Particles >71µm	ASTM D7647	>3	5	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 20/18/13	---	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	5.9	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	1.28	1.78	---

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*	NEG	---	---
Free Water	scalar	Visual*	NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	253.0	246	---
Visc @ 100°C	cSt	ASTM D7279(m)	25.9	25.8	---
Viscosity Index (VI)	Scale	ASTM D2270*	133	134	---

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



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0080889  
**Lab Number** : 02586746  
**Unique Number** : 5655812  
**Test Package** : IND 2 ( Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, TAN Man, VI )

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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.