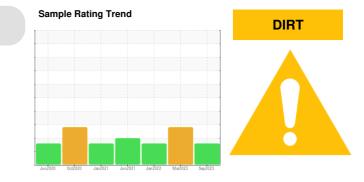


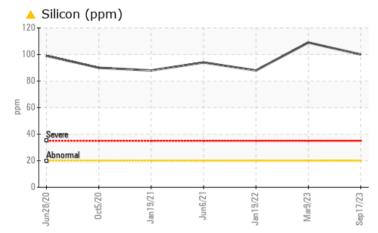
# **PROBLEM SUMMARY**



# Machine Id 26331

Component Middle Right Transmission (Auto) Fluid PETRO CANADA TRAXON E SYNTHETIC CD-50 (25 QTS)

# COMPONENT CONDITION SUMMARY



## RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL		
Silicon	ppm	ASTM D5185m	>20	<u> </u>	<u> </u>	<u> </u>		

Customer Id: PERGEODE Sample No.: PCA0106396 Lab Number: 06032023 Test Package: FLEET



To manage this report scan the QR code

*To discuss the diagnosis or test data:* Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

*To change component or sample information:* Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>

### **RECOMMENDED ACTIONS**

There are no recommended actions for this sample.

### **HISTORICAL DIAGNOSIS**

### 09 Mar 2023 Diag: Don Baldridge



### Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Moderate concentration of visible metal present. All component wear rates are normal. Elemental level of silicon (Si) above normal. The condition of the fluid is acceptable for the time in service.





### 19 Jan 2022 Diag: Don Baldridge

Resample at the next service interval to monitor.All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material. The condition of the fluid is acceptable for the time in service.

06 Jun 2021 Diag: Don Baldridge



No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Moderate concentration of visible dirt/debris present in the fluid. Elemental level of silicon (Si) above normal. The condition of the fluid is acceptable for the time in service.



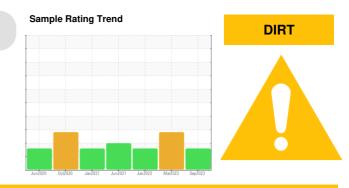
view report

view report





# **OIL ANALYSIS REPORT**



Component Middle Right Transmission (Auto) Fluid PETRO CANADA TRAXON E SYNTHETIC CD-50 (25 QTS)

### DIAGNOSIS

Machine Id 26331

### A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

Elemental level of silicon (Si) above normal indicating ingress of seal material.

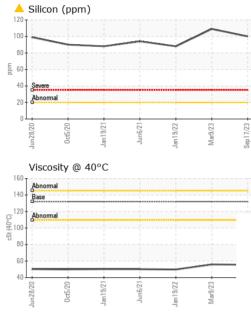
### Fluid Condition

The condition of the fluid is acceptable for the time in service.

	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0106396	PCA0094428	PCA0065945
Sample Date		Client Info		17 Sep 2023	09 Mar 2023	19 Jan 2022
Machine Age	mls	Client Info		553122	53355	478139
Oil Age	mls	Client Info		553122	20575	478139
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>160	32	26	176
Chromium	ppm	ASTM D5185m	>5	<1	<1	3
Nickel	ppm	ASTM D5185m	>5	<1	<1	2
Titanium	ppm	ASTM D5185m		0	0	2
Silver	ppm	ASTM D5185m	>5	0	0	<1
Aluminum	ppm	ASTM D5185m	>50	<1	1	5
Lead	ppm	ASTM D5185m	>50	<1	0	1
Copper	ppm		>225	20	14	124
Tin	ppm	ASTM D5185m	>10	0	0	1
Antimony	ppm	ASTM D5185m				<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
	ρριιι			-	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	1	5	5	10
Barium	ppm	ASTM D5185m	1	0	0	0
Molybdenum	ppm	ASTM D5185m		2	1	4
				14	13	46
Manganese	ppm	ASTM D5185m				70
-	ppm ppm	ASTM D5185m ASTM D5185m	1	0	1	5
Magnesium			1 40			
Magnesium Calcium	ppm	ASTM D5185m		0	1	5
Magnesium Calcium Phosphorus	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	40	0 786	1 835	5 876
Magnesium Calcium Phosphorus	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	40 1072	0 786 655	1 835 660	5 876 716
Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	40 1072 4	0 786 655 0	1 835 660 2	5 876 716 28
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm ppm ppm TS	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	40 1072 4 439 limit/base	0 786 655 0 5498 current	1 835 660 2 5808 history1	5 876 716 28 4130 history2
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon	ppm ppm ppm ppm ppm TS	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m	40 1072 4 439 limit/base	0 786 655 0 5498 <u>current</u> ▲ 100	1 835 660 2 5808 history1 ▲ 109	5 876 716 28 4130 history2 ▲ 88
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon	ppm ppm ppm ppm ppm TS	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	40 1072 4 439 limit/base	0 786 655 0 5498 current	1 835 660 2 5808 history1	5 876 716 28 4130 history2
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm ppm ppm ppm ppm TS ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m <b>method</b> ASTM D5185m ASTM D5185m	40 1072 4 439 limit/base >20	0 786 655 0 5498 <u>current</u> ▲ 100 2	1 835 660 2 5808 history1 ▲ 109 3	5 876 716 28 4130 history2 ▲ 88 4
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL	ppm ppm ppm ppm ppm TS ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	40 1072 4 439 limit/base >20 >20 limit/base	0 786 655 0 5498 current ▲ 100 2 <1 current	1 835 660 2 5808 history1 3 5 5 history1	5 876 716 28 4130 history2 ▲ 88 4 3 3 history2
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm TS ppm ppm ppm scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m XSTM D5185m	40 1072 4 439 20 >20 20 1imit/base NONE	0 786 655 0 5498 current 100 2 <1 current NONE	1 835 660 2 5808 history1 ▲ 109 3 5 5 history1 ▲ MODER	5 876 716 28 4130 history2 88 4 3 3 history2 LIGHT
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm ppm ppm TS ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual	40 1072 4 339 imit/base >20 20 imit/base NONE NONE	0 786 655 0 5498 current ▲ 100 2 <1 current NONE NONE	1 835 660 2 5808 history1 ▲ 109 3 5 5 history1 ▲ MODER NONE	5 876 716 28 4130 history2 88 4 3 88 4 3 3 history2 LIGHT NONE
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm TS ppm ppm ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual	40 1072 4 339 20 >20 20 1000 1000 NONE NONE NONE	0 786 655 0 5498 current 100 2 <1 current NONE NONE NONE NONE	1 835 660 2 5808 history1 ▲ 109 3 5 5 history1 ▲ MODER NONE NONE	5 876 716 28 4130 history2 88 88 4 3 88 4 3 LIGHT LIGHT NONE NONE
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm ppm ppm TS ppm ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual	40 1072 4 339 20 >20 20 10000000000000000000000000000	0 786 655 0 5498	1 835 660 2 5808 history1 ▲ 109 3 5 5 history1 ▲ MODER NONE NONE NONE	5 876 716 28 4130 ▶ 88 4 3 ▶ 88 4 3 ▶ 10000 ↓ 1000 ↓ 10000 ↓ 10000 ↓ 10000 ↓ 10000 ↓ 10000 ↓ 10000 ↓ 10000 ↓ 1000 ↓ 1000 ↓ 10000 ↓ 100
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm ppm ppm TS ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual	40 1072 4 339 20 >20 20 1000 20 1000 NONE NONE NONE NONE NONE NONE	0 786 655 0 5498	1 835 660 2 5808 109 3 5 109 3 5 5 <b>history1</b> ▲ MODER NONE NONE NONE NONE NONE	5 876 716 28 4130 ▶ 88 4 3 ▶ 88 4 3 ▶ 1istory2 LIGHT NONE NONE NONE NONE NONE
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm ppm ppm TS ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual	40 1072 4 339 220 >20 Iimit/base >20 Iimit/base NONE NONE NONE NONE NONE NONE NONE	0 786 655 0 5498 urrent 100 2 <1 ▲ 100 2 <1 ▲ 100 2 <1 ▲ 100 2 <1 ▲ 100 2 <1 ● 100 2 <1● 000 2 <1● 0000 2 <1● 000 2 <1● 000 2 <1● 000 2 <1● 000 2 <1● 000 3 <1● 000 3● 000● 000 <td>1 835 660 2 5808 109 3 5 5 109 3 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>5 876 716 28 4130 ▶ 88 4 3 ▶ 88 4 3 ▶ 1istory2 LIGHT NONE NONE NONE NONE NONE NONE</td>	1 835 660 2 5808 109 3 5 5 109 3 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 876 716 28 4130 ▶ 88 4 3 ▶ 88 4 3 ▶ 1istory2 LIGHT NONE NONE NONE NONE NONE NONE
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm ppm ppm TS ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	40 1072 4 339 20 >20 20 10015 NONE NONE NONE NONE NONE NONE NONE NON	0 786 655 0 5498 0 2 4 100 2 <1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 835 660 2 5808 109 3 5 5 109 3 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 876 716 28 4130 bistory2 88 4 3 bistory2 LIGHT NONE NONE NONE NONE NONE NONE NONE NON
Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm ppm ppm ppm ppm TS ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	40 1072 4 339 20 >20 1000 20 1000 1000 1000 1000 1000	0 786 655 0 5498	1   835   660   2   5808   history1   109   3   5   history1   NONE   NONE   NONE   NONE   NONE   NONE   NONE   NONE   NORML	5 876 716 28 4130 bistory2 88 4 3 bistory2 LIGHT NONE NONE NONE NONE NONE NONE NONE NON
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm ppm ppm TS ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	40 1072 4 339 20 >20 20 10015 NONE NONE NONE NONE NONE NONE NONE NON	0 786 655 0 5498 0 2 4 100 2 <1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 835 660 2 5808 109 3 5 5 109 3 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 876 716 28 4130 88 88 4 3 88 4 3

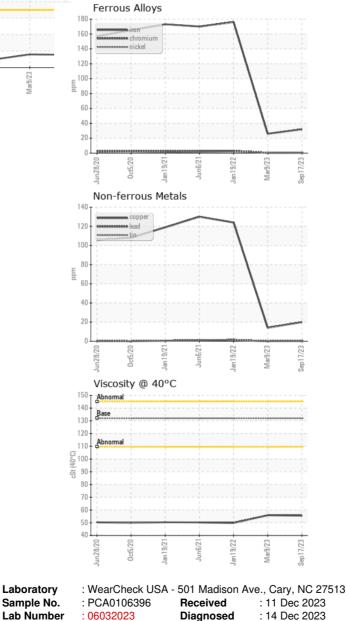


# **OIL ANALYSIS REPORT**



FLUID PROP	ERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	132	55.5	55.9	49.8
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image

## **GRAPHS**



**PERDUE FARMS - GEORGETOWN** 20621 SAVANAH RD

GEORGETOWN, DE US 19947 Contact: ROBERT LOCKWOOD Robert.Lockwood@Perdue.com Т: F:



Test Package : FLEET Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Diagnostician : Jonathan Hester

: 10781814

Laboratory

Sample No.

Unique Number