

# OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id  
**2126937**  
 Component  
**Transmission (Manual)**  
 Fluid  
**PETRO CANADA TRAXON SYNTHETIC CD-50 (--- QTS)**

## DIAGNOSIS

- 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.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2	
Sample Number	Client Info	<b>PCA0113263</b>	PCA0105505	PCA0100736	
Sample Date	Client Info	<b>21 Nov 2023</b>	31 Aug 2023	28 Jun 2023	
Machine Age	mls	Client Info	<b>94920</b>	74852	60683
Oil Age	mls	Client Info	<b>0</b>	74852	60683
Oil Changed	Client Info	<b>Not Chngd</b>	Not Chngd	Not Chngd	
Sample Status		<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >200	<b>72</b>	39	52
Chromium	ppm	ASTM D5185m >5	<b>1</b>	<1	<1
Nickel	ppm	ASTM D5185m >5	<b>1</b>	<1	<1
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m >7	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>2</b>	2	2
Lead	ppm	ASTM D5185m >45	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m >225	<b>55</b>	43	41
Tin	ppm	ASTM D5185m >10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m 139	<b>13</b>	11	6
Barium	ppm	ASTM D5185m 1	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>2</b>	1	0
Manganese	ppm	ASTM D5185m	<b>36</b>	17	25
Magnesium	ppm	ASTM D5185m 1	<b>&lt;1</b>	0	1
Calcium	ppm	ASTM D5185m 30	<b>774</b>	645	715
Phosphorus	ppm	ASTM D5185m 309	<b>711</b>	649	699
Zinc	ppm	ASTM D5185m 1	<b>0</b>	0	3
Sulfur	ppm	ASTM D5185m 1340	<b>7645</b>	7214	7718

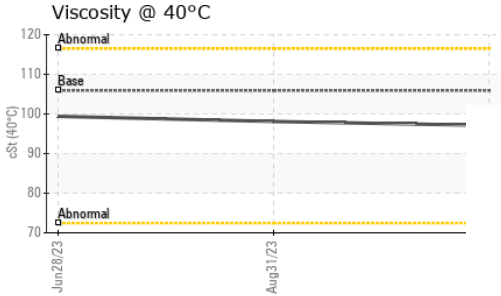
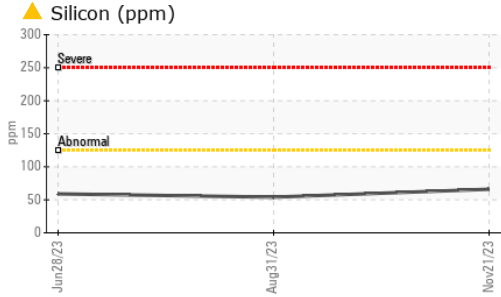
## CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >125	<b>▲ 66</b>	▲ 54	▲ 59
Sodium	ppm	ASTM D5185m	<b>0</b>	<1	2
Potassium	ppm	ASTM D5185m >20	<b>2</b>	0	<1

## VISUAL

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

# OIL ANALYSIS REPORT



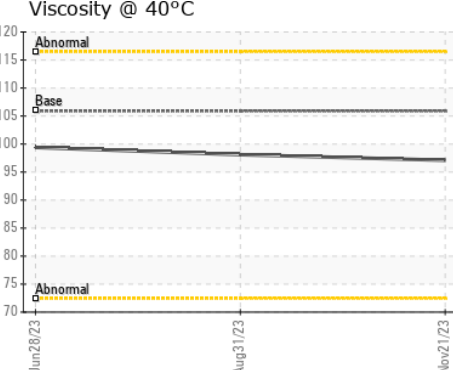
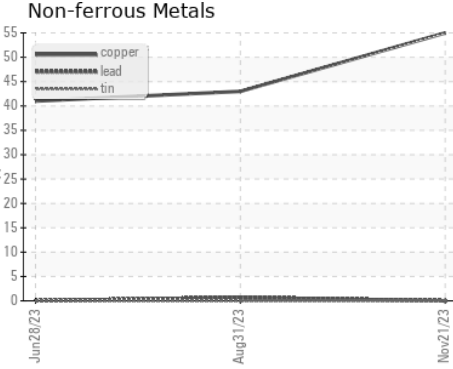
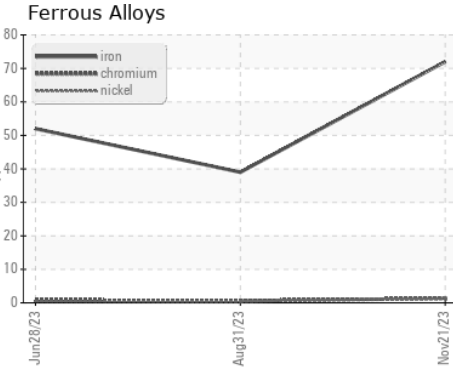
### FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	105.9	97.1	98.1

### SAMPLE IMAGES

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

### GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0113263 **Recieved** : 15 Dec 2023  
**Lab Number** : 06037177 **Diagnosed** : 20 Dec 2023  
**Unique Number** : 10792406 **Diagnostician** : Jonathan Hester  
**Test Package** : FLEET

**PERDUE FARMS - GEORGETOWN**  
 20621 SAVANAH RD  
 GEORGETOWN, DE  
 US 19947  
 Contact: ROBERT LOCKWOOD  
 Robert.Lockwood@Perdue.com

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)

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F: