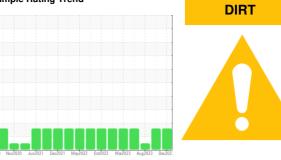


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id 1926751

Component **Transmission** 

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.

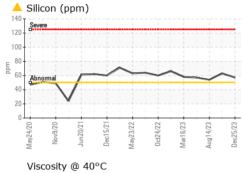
#### **Fluid Condition**

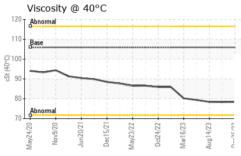
The condition of the fluid is acceptable for the time in service.

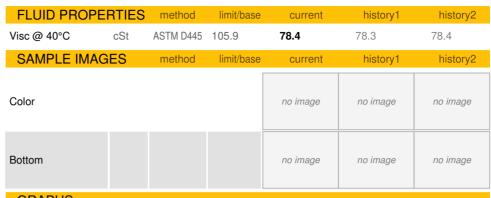
Client Info   PCA0115451   PCA0109379   PCA010167	-50 ( QTS)		fay2020 Nov2	020 Jun2021 Dec2021	May2022 Oct2022 Mar2023 Aug	2023 Dec202:	
Sample Date	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Client Info   25 Dec 2023   17 Oct 2023   14 Aug 2025   14 Aug 2025   18 Aug 2025	Sample Number		Client Info		PCA0115451	PCA0109379	PCA0101670
Machine Age   mls   Client Info   27323   354052   335011	Sample Date		Client Info		25 Dec 2023	17 Oct 2023	14 Aug 2023
Oil Age         mls         Client Info         273323         354052         335011           Oil Changed Sample Status         Client Info         Not Changd ABNORMAL         Not Chan	•	mls	Client Info		373323		_
Oil Changed   Client Info		mls	Client Info		273323	354052	
ABNORMAL	-					Not Changd	
Water         WC Method         >0.1         NEG         NEG         NEG           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >200         29         31         25           Chromium         ppm         ASTM D5185m         0         <1         <1           Nickel         ppm         ASTM D5185m         0         <1         0           Silver         ppm         ASTM D5185m         0         <1         0           Journal Distress         ppm         ASTM D5185m         0         0         0           ALead         ppm         ASTM D5185m         >50         <1         1         <1           Lead         ppm         ASTM D5185m         >50         0         0         <1         <1           Lead         ppm         ASTM D5185m         >50         0         0         <1         1           Lead         ppm         ASTM D5185m         >10         0         0         <1         1           Lead         ppm         ASTM D5185m         >10         0         0         <1         1	Sample Status				_	Ü	
WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >200         29         31         25           Chromium         ppm         ASTM D5185m         0         <1	CONTAMINAT	ION	method	limit/base	current	history1	history2
Description	Water		WC Method	>0.1	NEG	NEG	NEG
Chromium         ppm         ASTM D5185m         >10         0         <1         <1           Nickel         ppm         ASTM D5185m         0         <1	WEAR METAL	.S	method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>200	29	31	25
Nicke    ppm   ASTM D5185m   0	Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Description	Nickel		ASTM D5185m		0	<1	0
Silver	Titanium		ASTM D5185m		0	<1	0
Aluminum   ppm   ASTM D5185m   >50   <1   1   <1   Lead   ppm   ASTM D5185m   >50   0   0   <1   Copper   ppm   ASTM D5185m   >50   0   0   Tin   ppm   ASTM D5185m   >10   0   0   0   Vanadium   ppm   ASTM D5185m   0   <1   <1   Cadmium   ppm   ASTM D5185m   139   1   3   2   Barium   ppm   ASTM D5185m   1   0   0   0   Molybdenum   ppm   ASTM D5185m   1   0   0   0   Manganese   ppm   ASTM D5185m   6   7   6   Magnesium   ppm   ASTM D5185m   1   0   3   0   Calcium   ppm   ASTM D5185m   30   743   805   723   Phosphorus   ppm   ASTM D5185m   309   616   559   583   Zinc   ppm   ASTM D5185m   1   <1   0   0   Sulfur   ppm   ASTM D5185m   1   <1   0   0   Sulfur   ppm   ASTM D5185m   1   <1   0   0   Sulfur   ppm   ASTM D5185m   1   <1   0   0    CONTAMINANTS   method   limit/base   current   history1   history2   Silicon   ppm   ASTM D5185m   >50   ▲ 57   ▲ 63   54   Sodium   ppm   ASTM D5185m   >20   0   3   0    VISUAL   method   limit/base   current   history1   history2   White Metal   scalar   *Visual   NONE   NONE   NONE   NONE   Yellow Metal   scalar   *Visual   NONE   NONE   NONE   NONE   Precipitate   scalar   *Visual   NONE   NONE   NONE   NONE   Silit   scalar   *Visual   NONE   NONE   NONE   NONE   Appearance   scalar   *Visual   NONE   NONE   NONE   NONE   Appearance   scalar   *Visual   NONE   NONE   NONE   Appearance   scalar   *Visual   NORML   NORML   NORML   NORML   NORML   Appearance   scalar   *Visual   NORML   NORML   NORML   NORML   NORML   Appearance   scalar   *Visual   NORML   NORML   NORML   NORML   Appearance   scalar   *Visual   NORML   NORML   NORML   NORML   Appearance   scalar   *Visual   NORML   NO	Silver		ASTM D5185m		0	0	0
Lead         ppm         ASTM D5185m         >50         0         0         <1           Copper         ppm         ASTM D5185m         >200         64         70         59           Tin         ppm         ASTM D5185m         >200         64         70         59           Tin         ppm         ASTM D5185m         >10         0         0         0           Cadmium         ppm         ASTM D5185m         0         <1         <1         <1           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         139         1         3         2           Barium         ppm         ASTM D5185m         1         0         0         0           Molybdenum         ppm         ASTM D5185m         4         1         1         <1           Magnesium         ppm         ASTM D5185m         1         0         3         0           Calcium         ppm         ASTM D5185m         1         0         3         0           Calcium         ppm         ASTM D5185m         309         616         559	Aluminum		ASTM D5185m	>50	<1	1	<1
Copper         ppm         ASTM D5185m         >200         64         70         59           Tin         ppm         ASTM D5185m         >10         0         0         0           Vanadium         ppm         ASTM D5185m         0         <1	Lead				0		
Trin							
Vanadium         ppm         ASTM D5185m         0         <1         <1           Cadmium         ppm         ASTM D5185m         0         <1         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         1         0         0         0           Barium         ppm         ASTM D5185m         1         0         0         0           Molybdenum         ppm         ASTM D5185m         1         0         0         0           Manganese         ppm         ASTM D5185m         6         7         6         6           Magnesium         ppm         ASTM D5185m         1         0         3         0           Calcium         ppm         ASTM D5185m         309         616         559         583           Zinc         ppm         ASTM D5185m         1         <1         0         0           Sulfur         ppm         ASTM D5185m         1         <1         0         0           CONTAMINANTS         method         limit/base         current         history1         history2							
Cadmium         ppm         ASTM D5185m         0         <1         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         139         1         3         2           Barium         ppm         ASTM D5185m         1         0         0         0           Molybdenum         ppm         ASTM D5185m         1         0         0         0           Manganese         ppm         ASTM D5185m         6         7         6         7         6           Magnesium         ppm         ASTM D5185m         1         0         3         0           Calcium         ppm         ASTM D5185m         30         743         805         723           Phosphorus         ppm         ASTM D5185m         309         616         559         583           Zinc         ppm         ASTM D5185m         1         <1         0         0           Sulfur         ppm         ASTM D5185m         1340         3704         4013         3591           CONTAMINANTS         method         limit/base         current         histor				7.0			-
Boron ppm ASTM D5185m 139 1 3 2  Barium ppm ASTM D5185m 1 0 0 0 0  Molybdenum ppm ASTM D5185m 1 0 0 0  Molybdenum ppm ASTM D5185m	Cadmium				-		
Barium         ppm         ASTM D5185m         1         0         0         0           Molybdenum         ppm         ASTM D5185m         <1	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum         ppm         ASTM D5185m         <1         1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1 <td>Boron</td> <td>ppm</td> <td>ASTM D5185m</td> <td>139</td> <td>1</td> <td>3</td> <td>2</td>	Boron	ppm	ASTM D5185m	139	1	3	2
Manganese         ppm         ASTM D5185m         6         7         6           Magnesium         ppm         ASTM D5185m         1         0         3         0           Calcium         ppm         ASTM D5185m         30         743         805         723           Phosphorus         ppm         ASTM D5185m         309         616         559         583           Zinc         ppm         ASTM D5185m         1         <1	Barium	ppm	ASTM D5185m	1	0	0	0
Magnesium         ppm         ASTM D5185m         1         0         3         0           Calcium         ppm         ASTM D5185m         30         743         805         723           Phosphorus         ppm         ASTM D5185m         309         616         559         583           Zinc         ppm         ASTM D5185m         1         <1         0         0           Sulfur         ppm         ASTM D5185m         1340         3704         4013         3591           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >50         57         63         54           Sodium         ppm         ASTM D5185m         >20         0         3         0           VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE         NONE         NONE         NONE           Yellow Metal         scalar         *Visual         NONE         NONE         NONE         NONE           Yellow Metal         scalar         *Visual         <	Molybdenum	ppm	ASTM D5185m		<1	1	<1
Calcium         ppm         ASTM D5185m         30         743         805         723           Phosphorus         ppm         ASTM D5185m         309         616         559         583           Zinc         ppm         ASTM D5185m         1         <1	Manganese	ppm	ASTM D5185m		6	7	6
Phosphorus         ppm         ASTM D5185m         309         616         559         583           Zinc         ppm         ASTM D5185m         1         <1         0         0           Sulfur         ppm         ASTM D5185m         1340         3704         4013         3591           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >50         57         63         54           Sodium         ppm         ASTM D5185m         >20         0         3         0           VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE         NONE         NONE         NONE           Yellow Metal         scalar         *Visual         NONE         NONE         NONE         NONE         NONE           Precipitate         scalar         *Visual         NONE         NONE<	Magnesium	ppm	ASTM D5185m	1	0	3	0
Zinc         ppm         ASTM D5185m         1         <1         0         0           Sulfur         ppm         ASTM D5185m         1340         3704         4013         3591           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >50         57         63         54           Sodium         ppm         ASTM D5185m         <1	Calcium	ppm	ASTM D5185m	30	743	805	723
Sulfur         ppm         ASTM D5185m         1340         3704         4013         3591           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >50         57         63         54           Sodium         ppm         ASTM D5185m         >20         0         3         0           VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE         NONE         NONE         NONE           Yellow Metal         scalar         *Visual         NONE         NONE         NONE         NONE         NONE           Yellow Metal         scalar         *Visual         NONE         NONE         NONE         NONE         NONE         NONE           Precipitate         scalar         *Visual         NONE	Phosphorus	ppm	ASTM D5185m	309	616	559	583
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >50         ▲ 57         ▲ 63         54           Sodium         ppm         ASTM D5185m         <1	Zinc	ppm	ASTM D5185m	1	<1	0	0
Silicon         ppm         ASTM D5185m         >50         ▲ 57         ▲ 63         54           Sodium         ppm         ASTM D5185m         <1	Sulfur		ASTM D5185m	1340	3704	4013	3591
Sodium         ppm         ASTM D5185m         <1         0         <1           Potassium         ppm         ASTM D5185m         >20         0         3         0           VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE         NONE         NONE         NONE           Yellow Metal         scalar         *Visual         NONE         NONE         NONE         NONE           Precipitate         scalar         *Visual         NONE         NONE         NONE         NONE           Silt         scalar         *Visual         NONE         NONE         NONE         NONE           Debris         scalar         *Visual         NONE         NONE         NONE         NONE           Sand/Dirt         scalar         *Visual         NORM         NORML         NORML         NORML           Appearance         scalar         *Visual         NORML         NORML         NORML         NORML           Odor         scalar         *Visual         >0.1         NEG         NEG         NEG	CONTAMINAN	ITS	method	limit/base	current	history1	history2
Potassium         ppm         ASTM D5185m         >20         0         3         0           VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE         NONE         NONE         NONE           Yellow Metal         scalar         *Visual         NONE         NONE         NONE         NONE           Precipitate         scalar         *Visual         NONE         NONE         NONE         NONE           Silt         scalar         *Visual         NONE         NONE         NONE         NONE           Debris         scalar         *Visual         NONE         NONE         NONE         NONE           Sand/Dirt         scalar         *Visual         NORM         NORML         NORML <t< td=""><td>Silicon</td><td>ppm</td><td>ASTM D5185m</td><td>&gt;50</td><td><u>▲</u> 57</td><td><b>△</b> 63</td><td>54</td></t<>	Silicon	ppm	ASTM D5185m	>50	<u>▲</u> 57	<b>△</b> 63	54
White Metal scalar *Visual NONE NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG	Sodium	ppm	ASTM D5185m		<1	0	<1
White Metal scalar *Visual NONE NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG	Potassium	ppm	ASTM D5185m	>20	0	3	0
Yellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	VISUAL		method	limit/base	current	history1	history2
Precipitate scalar *Visual NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Debrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEG	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Odor scalar *Visual NORML NORML NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG NEG	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Emulsified Water scalar *Visual >0.1 NEG NEG NEG	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water scalar *Visual >0.1 NEG NEG NEG	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Free Water scalar *Visual NEG NEG NEG	Emulsified Water	scalar	*Visual	>0.1		NEG	NEG
	Free Water	scalar	*Visual		NEG	NEG	NEG



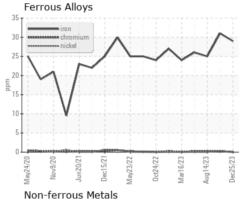
# **OIL ANALYSIS REPORT**

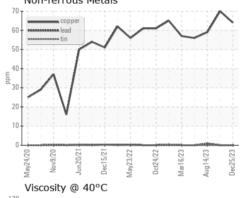


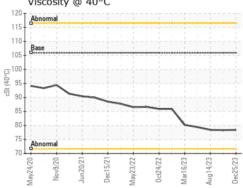




## **GRAPHS**











Certificate L2367

Laboratory Sample No.

Lab Number : 06118732 Unique Number : 10927565 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0115451 Received

**Tested** Diagnosed

: 14 Mar 2024 : 15 Mar 2024

: 18 Mar 2024 - Don Baldridge

**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)

T:

F: