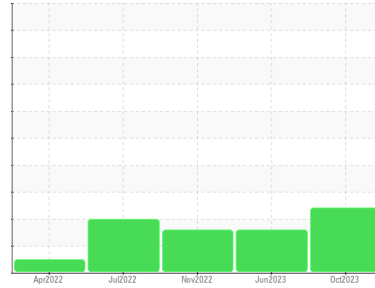


# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Machine Id  
**26508**

Component  
**Rear Differential**

Fluid  
**PETRO CANADA TRAXON SYNTHETIC 75W90 (--- QTS)**

## DIAGNOSIS

### ▲ Recommendation

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

### ▲ Wear

Bearing and/or bushing wear is indicated.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0109381</b>	PCA0100156	PCA0083780
Sample Date	Client Info		<b>16 Oct 2023</b>	13 Jun 2023	09 Nov 2022
Machine Age	mls	Client Info	<b>0</b>	530509	491111
Oil Age	mls	Client Info	<b>0</b>	530509	491111
Oil Changed	Client Info		<b>Not Changed</b>	Not Changd	Not Changed
Sample Status			<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	<b>390</b>	240	211
Chromium	ppm	ASTM D5185m >10	<b>4</b>	2	2
Nickel	ppm	ASTM D5185m >10	<b>6</b>	6	6
Titanium	ppm	ASTM D5185m	<b>1</b>	0	<1
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>7</b>	2	4
Lead	ppm	ASTM D5185m >25	<b>▲ 43</b>	1	0
Copper	ppm	ASTM D5185m >100	<b>▲ 84</b>	5	3
Tin	ppm	ASTM D5185m >10	<b>▲ 7</b>	<1	0
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 328	<b>155</b>	181	234
Barium	ppm	ASTM D5185m 1	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m	<b>11</b>	5	5
Magnesium	ppm	ASTM D5185m 1	<b>1</b>	0	2
Calcium	ppm	ASTM D5185m 7	<b>9</b>	6	11
Phosphorus	ppm	ASTM D5185m 1145	<b>1485</b>	1566	1449
Zinc	ppm	ASTM D5185m 3	<b>101</b>	16	16
Sulfur	ppm	ASTM D5185m 17909	<b>25762</b>	29559	24533

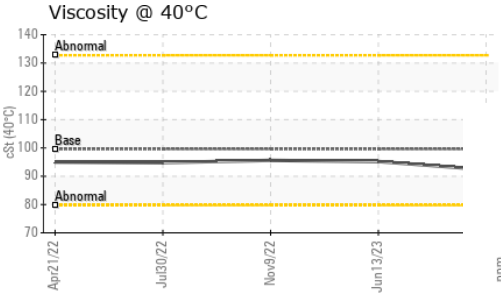
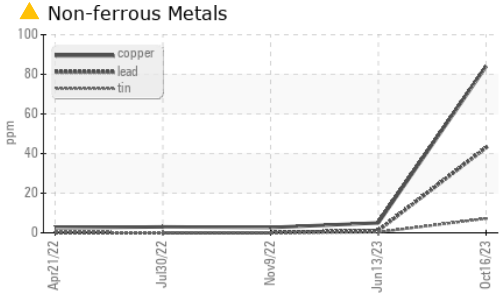
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>51</b>	<b>▲ 94</b>	<b>▲ 76</b>
Sodium	ppm	ASTM D5185m	<b>10</b>	8	8
Potassium	ppm	ASTM D5185m >20	<b>6</b>	5	5

## 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>LIGHT</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 >.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

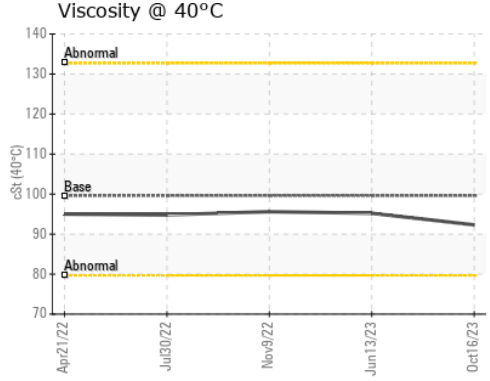
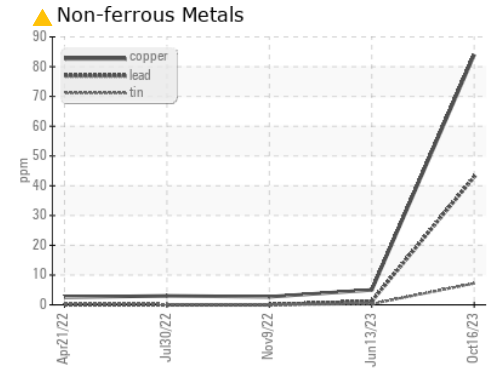
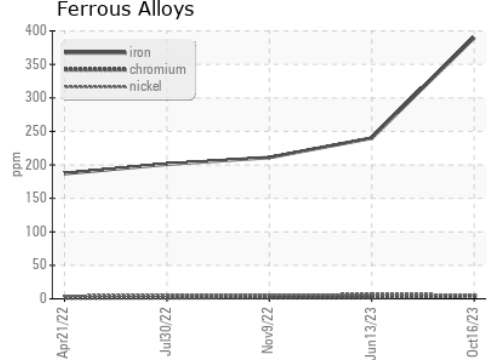
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	99.6	<b>92.3</b>	95.2	95.6

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0109381 **Recieved** : 15 Dec 2023  
**Lab Number** : **06037102** **Diagnosed** : 20 Dec 2023  
**Unique Number** : 10792331 **Diagnostician** : Jonathan Hester  
**Test Package** : FLEET

**PERDUE FARMS - GEORGETOWN**  
 20621 SAVANAH RD  
 GEORGETOWN, DE  
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 Robert.Lockwood@Perdue.com  
 T:  
 F:

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)