

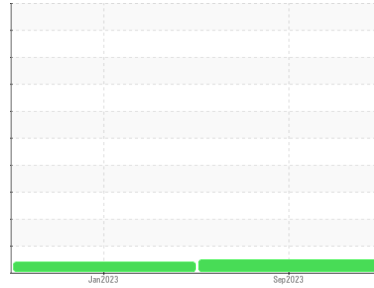
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**DT816**  
Component  
**Rear Differential**  
Fluid  
**PETRO CANADA TRAXON SYNTHETIC 75W90 (3 GAL)**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### 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>PCA0103257</b>	PCA0080885	---
Sample Date	Client Info		<b>11 Sep 2023</b>	11 Jan 2023	---
Machine Age	mls	Client Info	<b>50170</b>	25084	---
Oil Age	mls	Client Info	<b>50170</b>	25084	---
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	---
Sample Status			<b>NORMAL</b>	ABNORMAL	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >870	<b>241</b>	181	---
Chromium	ppm	ASTM D5185m >8	<b>2</b>	1	---
Nickel	ppm	ASTM D5185m >25	<b>11</b>	10	---
Titanium	ppm	ASTM D5185m >4	<b>1</b>	<1	---
Silver	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m >40	<b>9</b>	2	---
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	---
Copper	ppm	ASTM D5185m >60	<b>2</b>	1	---
Tin	ppm	ASTM D5185m >5	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 328	<b>155</b>	169	---
Barium	ppm	ASTM D5185m 1	<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185m	<b>4</b>	3	---
Magnesium	ppm	ASTM D5185m 1	<b>13</b>	9	---
Calcium	ppm	ASTM D5185m 7	<b>34</b>	25	---
Phosphorus	ppm	ASTM D5185m 1145	<b>1089</b>	1054	---
Zinc	ppm	ASTM D5185m 3	<b>8</b>	14	---
Sulfur	ppm	ASTM D5185m 17909	<b>29179</b>	27693	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >285	<b>227</b>	151	---
Sodium	ppm	ASTM D5185m	<b>6</b>	6	---
Potassium	ppm	ASTM D5185m >20	<b>4</b>	<1	---

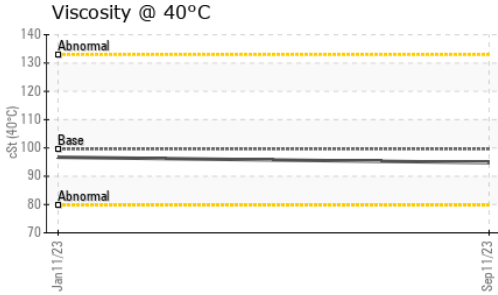
## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual NONE	<b>NONE</b>	▲ MODER	---
Sand/Dirt	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual >.2	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual	<b>NEG</b>	NEG	---

## FLUID PROPERTIES

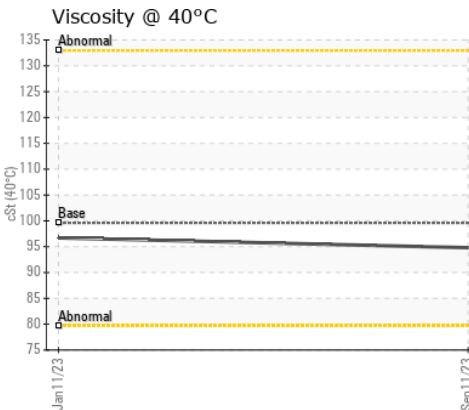
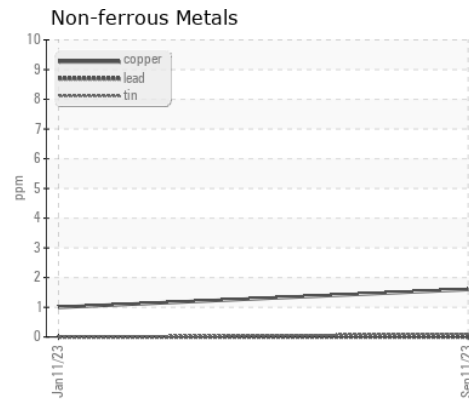
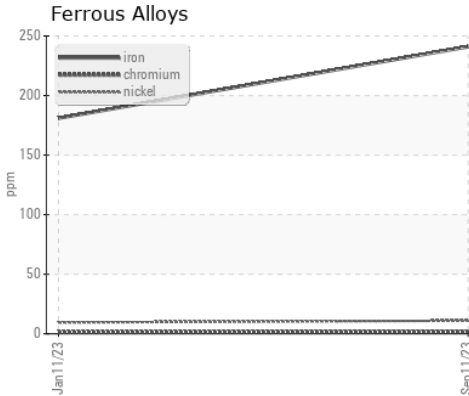
	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 99.6	<b>94.8</b>	96.7	---

# OIL ANALYSIS REPORT



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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0103257      **Received** : 19 Sep 2023  
**Lab Number** : 05955606      **Diagnosed** : 21 Sep 2023  
**Unique Number** : 10656819      **Diagnostician** : Jonathan Hester  
**Test Package** : FLEET

**NW WHITE & CO - ANDERSON DIVISION**  
 2605 RIVER RD  
 PIEDMONT, SC  
 US 29673  
 Contact: James Threatt  
 jthreatt@nwwhite.com  
 T: (864)918-4646  
 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)