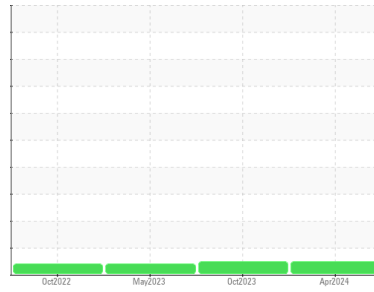


# OIL ANALYSIS REPORT



Machine Id  
**DT819**  
 Component  
**Rear Differential**  
 Fluid  
**PETRO CANADA TRAXON SYNTHETIC 75W90 (3 GAL)**

### Sample Rating Trend



NORMAL

✓

## 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>PCA0113189</b>	PCA0103326	PCA0096964
Sample Date	Client Info		<b>25 Apr 2024</b>	10 Oct 2023	09 May 2023
Machine Age	mls	Client Info	<b>104267</b>	76449	50474
Oil Age	mls	Client Info	<b>27818</b>	76449	50474
Oil Changed	Client Info		<b>Not Changed</b>	Changed	Not Changed
Sample Status			<b>NORMAL</b>	NORMAL	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 >1200	<b>114</b>	254	292
Chromium	ppm	ASTM D5185m >8	<b>&lt;1</b>	2	2
Nickel	ppm	ASTM D5185m >20	<b>4</b>	11	11
Titanium	ppm	ASTM D5185m >4	<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >30	<b>4</b>	3	<1
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >50	<b>0</b>	2	1
Tin	ppm	ASTM D5185m >5	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	<1	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 328	<b>230</b>	148	160
Barium	ppm	ASTM D5185m 1	<b>0</b>	3	0
Molybdenum	ppm	ASTM D5185m	<b>17</b>	2	2
Manganese	ppm	ASTM D5185m	<b>2</b>	4	4
Magnesium	ppm	ASTM D5185m 1	<b>137</b>	15	13
Calcium	ppm	ASTM D5185m 7	<b>277</b>	65	70
Phosphorus	ppm	ASTM D5185m 1145	<b>1266</b>	1020	1052
Zinc	ppm	ASTM D5185m 3	<b>231</b>	39	24
Sulfur	ppm	ASTM D5185m 17909	<b>22992</b>	23023	25056

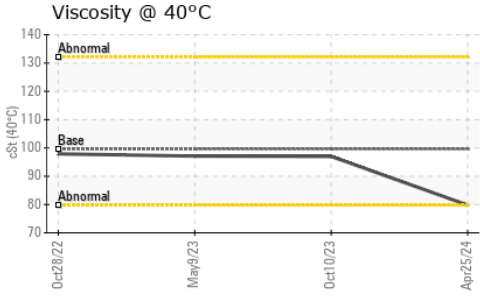
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >230	<b>83</b>	215	173
Sodium	ppm	ASTM D5185m	<b>2</b>	4	4
Potassium	ppm	ASTM D5185m >20	<b>2</b>	2	1

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual NONE	<b>MODER</b>	NONE	NONE
Debris	scalar	*Visual NONE	<b>NONE</b>	NONE	▲ MODER
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



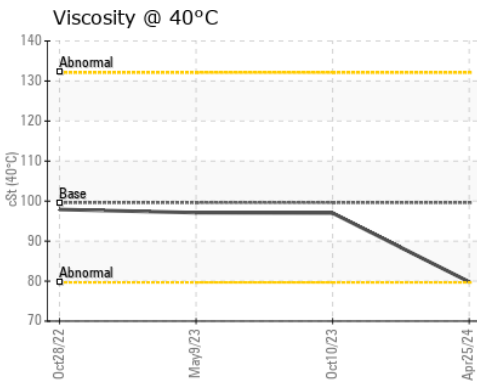
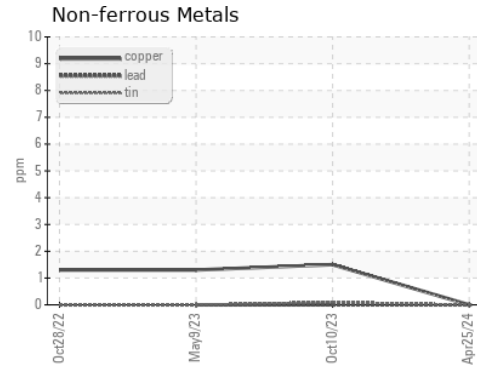
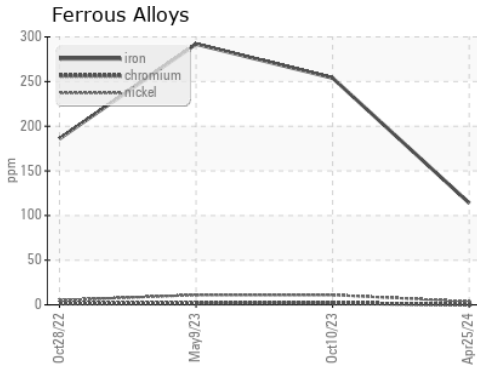
### FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	99.6	79.8	97.0

### 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.** : PCA0113189  
**Lab Number** : 06175982  
**Unique Number** : 11022035  
**Test Package** : FLEET

**Received** : 10 May 2024  
**Tested** : 12 May 2024  
**Diagnosed** : 14 May 2024 - Sean Felton

**NW WHITE & CO - ANDERSON DIVISION**  
 2605 RIVER RD  
 PIEDMONT, SC  
 US 29673

Contact: James Threatt  
 jthreatt@nwwhite.com  
 T: (864)918-4646

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)