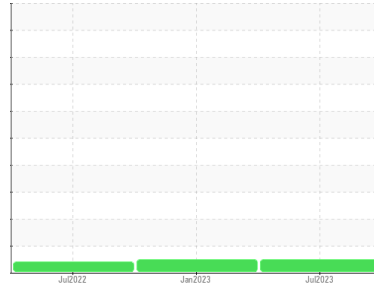


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**DT795**  
 Component  
**Front Differential**  
 Fluid  
**PETRO CANADA TRAXON SYNTHETIC 75W90 (4 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>PCA0096950</b>  | PCA0080888  | PCA0074834  |
| Sample Date   | Client Info |             | <b>22 Jul 2023</b> | 18 Jan 2023 | 15 Jul 2022 |
| Machine Age   | mls         | Client Info | <b>108058</b>      | 82258       | 55695       |
| Oil Age       | mls         | Client Info | <b>0</b>           | 82258       | 0           |
| Oil Changed   | Client Info |             | <b>Not Changed</b> | Changed     | Not Changed |
| Sample Status |             |             | <b>NORMAL</b>      | NORMAL      | ABNORMAL    |

## WEAR METALS

|          | method | limit/base       | current      | history1 | history2 |
|----------|--------|------------------|--------------|----------|----------|
| Iron     | ppm    | ASTM D5185m >500 | <b>98</b>    | 209      | 149      |
| Chromium | ppm    | ASTM D5185m >10  | <b>&lt;1</b> | 2        | 1        |
| Nickel   | ppm    | ASTM D5185m >10  | <b>0</b>     | 2        | 0        |
| Titanium | ppm    | ASTM D5185m      | <b>&lt;1</b> | <1       | 0        |
| Silver   | ppm    | ASTM D5185m      | <b>0</b>     | 2        | 0        |
| Aluminum | ppm    | ASTM D5185m >25  | <b>5</b>     | 1        | 2        |
| Lead     | ppm    | ASTM D5185m >25  | <b>0</b>     | 0        | 0        |
| Copper   | ppm    | ASTM D5185m >100 | <b>&lt;1</b> | 43       | <1       |
| Tin      | ppm    | ASTM D5185m >10  | <b>0</b>     | <1       | <1       |
| Vanadium | ppm    | ASTM D5185m      | <b>0</b>     | <1       | 0        |
| Cadmium  | ppm    | ASTM D5185m      | <b>0</b>     | <1       | 0        |

## ADDITIVES

|            | method | limit/base        | current      | history1 | history2 |
|------------|--------|-------------------|--------------|----------|----------|
| Boron      | ppm    | ASTM D5185m 328   | <b>202</b>   | 254      | 301      |
| Barium     | ppm    | ASTM D5185m 1     | <b>0</b>     | 2        | 5        |
| Molybdenum | ppm    | ASTM D5185m       | <b>19</b>    | <1       | 0        |
| Manganese  | ppm    | ASTM D5185m       | <b>2</b>     | 23       | 6        |
| Magnesium  | ppm    | ASTM D5185m 1     | <b>164</b>   | <1       | <1       |
| Calcium    | ppm    | ASTM D5185m 7     | <b>290</b>   | 7        | 6        |
| Phosphorus | ppm    | ASTM D5185m 1145  | <b>1248</b>  | 1346     | 1410     |
| Zinc       | ppm    | ASTM D5185m 3     | <b>260</b>   | 17       | 14       |
| Sulfur     | ppm    | ASTM D5185m 17909 | <b>19510</b> | 22293    | 29894    |

## CONTAMINANTS

|           | method | limit/base      | current   | history1 | history2 |
|-----------|--------|-----------------|-----------|----------|----------|
| Silicon   | ppm    | ASTM D5185m >75 | <b>25</b> | 49       | 35       |
| Sodium    | ppm    | ASTM D5185m     | <b>1</b>  | 6        | 3        |
| Potassium | ppm    | ASTM D5185m >20 | <b>2</b>  | 3        | 1        |

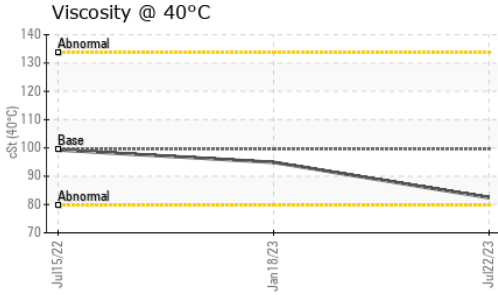
## VISUAL

|                  | 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>  | 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      |

## FLUID PROPERTIES

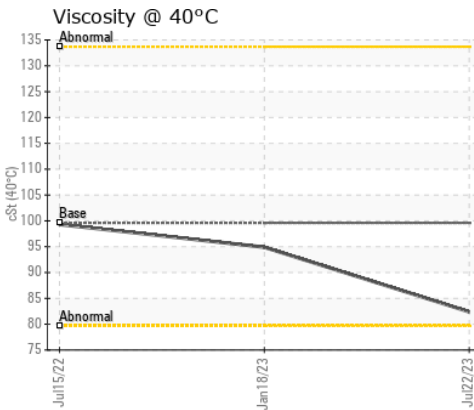
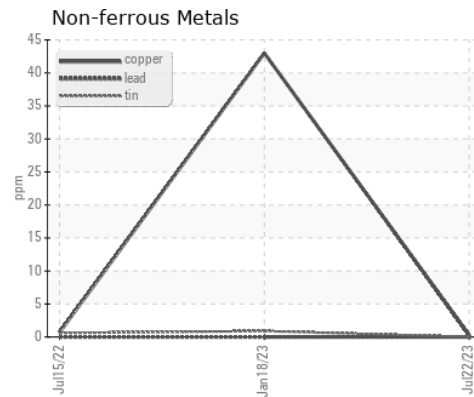
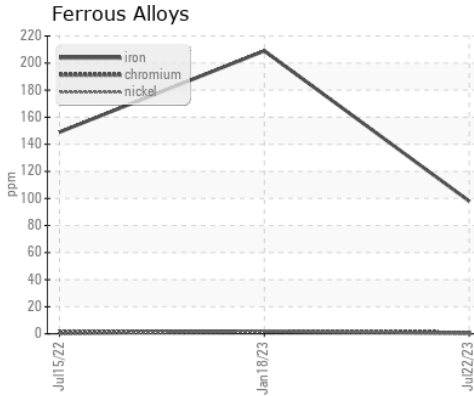
|             | method | limit/base     | current     | history1 | history2 |
|-------------|--------|----------------|-------------|----------|----------|
| Visc @ 40°C | cSt    | ASTM D445 99.6 | <b>82.4</b> | 94.9     | 99.3     |

# 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.** : PCA0096950  
**Lab Number** : **05923823**  
**Unique Number** : 10603770  
**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)