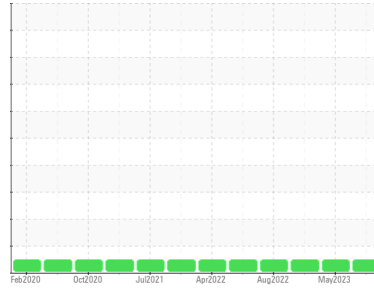


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**1926723**

Component  
**Front Differential**

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

## 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>PCA0104353</b>  | PCA0099332  | PCA0090084  |
| Sample Date   | Client Info |             | <b>02 Sep 2023</b> | 16 May 2023 | 23 Jan 2023 |
| Machine Age   | mls         | Client Info | <b>0</b>           | 341556      | 332984      |
| Oil Age       | mls         | Client Info | <b>0</b>           | 341556      | 332984      |
| Oil Changed   | Client Info |             | <b>Not Changed</b> | Not Changd  | Not Changed |
| Sample Status |             |             | <b>NORMAL</b>      | NORMAL      | NORMAL      |

## 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>382</b>   | 378      | 374      |
| Chromium | ppm    | ASTM D5185m >10  | <b>3</b>     | 3        | 3        |
| Nickel   | ppm    | ASTM D5185m >10  | <b>5</b>     | 5        | 5        |
| Titanium | ppm    | ASTM D5185m      | <b>0</b>     | <1       | <1       |
| Silver   | ppm    | ASTM D5185m      | <b>0</b>     | 0        | 0        |
| Aluminum | ppm    | ASTM D5185m >25  | <b>2</b>     | 2        | 3        |
| Lead     | ppm    | ASTM D5185m >25  | <b>4</b>     | 2        | 3        |
| Copper   | ppm    | ASTM D5185m >100 | <b>58</b>    | 57       | 60       |
| Tin      | ppm    | ASTM D5185m >10  | <b>2</b>     | 3        | 3        |
| Vanadium | ppm    | ASTM D5185m      | <b>&lt;1</b> | 0        | 0        |
| Cadmium  | ppm    | ASTM D5185m      | <b>0</b>     | 0        | 0        |

## ADDITIVES

|            | method | limit/base        | current      | history1 | history2 |
|------------|--------|-------------------|--------------|----------|----------|
| Boron      | ppm    | ASTM D5185m 328   | <b>139</b>   | 129      | 218      |
| Barium     | ppm    | ASTM D5185m 1     | <b>0</b>     | 1        | 0        |
| Molybdenum | ppm    | ASTM D5185m       | <b>&lt;1</b> | 0        | <1       |
| Manganese  | ppm    | ASTM D5185m       | <b>12</b>    | 13       | 12       |
| Magnesium  | ppm    | ASTM D5185m 1     | <b>0</b>     | 2        | 1        |
| Calcium    | ppm    | ASTM D5185m 7     | <b>0</b>     | 11       | 11       |
| Phosphorus | ppm    | ASTM D5185m 1145  | <b>1320</b>  | 1315     | 1293     |
| Zinc       | ppm    | ASTM D5185m 3     | <b>0</b>     | 17       | 20       |
| Sulfur     | ppm    | ASTM D5185m 17909 | <b>21932</b> | 21487    | 20741    |

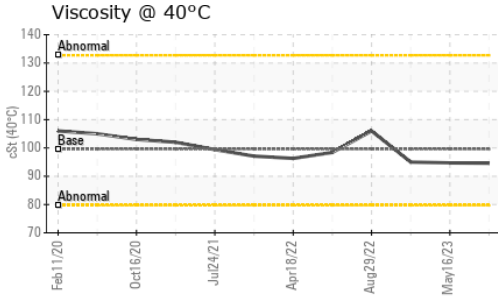
## CONTAMINANTS

|           | method | limit/base      | current   | history1 | history2 |
|-----------|--------|-----------------|-----------|----------|----------|
| Silicon   | ppm    | ASTM D5185m >75 | <b>47</b> | 42       | 38       |
| Sodium    | ppm    | ASTM D5185m     | <b>9</b>  | 9        | 10       |
| Potassium | ppm    | ASTM D5185m >20 | <b>0</b>  | 2        | 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     | 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



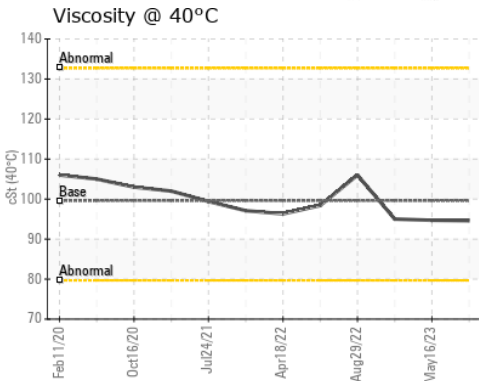
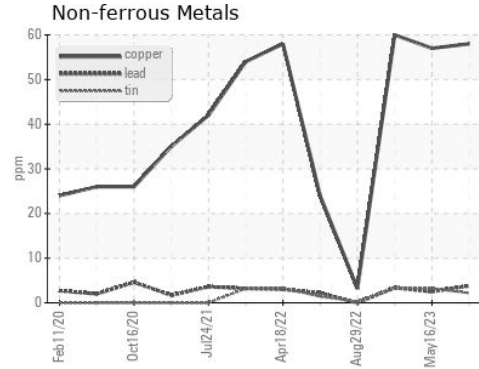
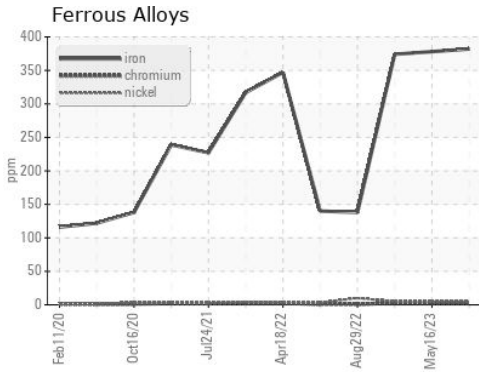
### FLUID PROPERTIES

|             | method | limit/base | current | history1    | history2 |
|-------------|--------|------------|---------|-------------|----------|
| Visc @ 40°C | cSt    | ASTM D445  | 99.6    | <b>94.6</b> | 94.7     |

### SAMPLE IMAGES

|        | method | limit/base | current | history1 | history2 |
|--------|--------|------------|---------|----------|----------|
| Color  |        |            |         | no image | no image |
| Bottom |        |            |         | no image | no image |

### GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0104353  
**Lab Number** : 06031960  
**Unique Number** : 10781751  
**Test Package** : FLEET

**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: