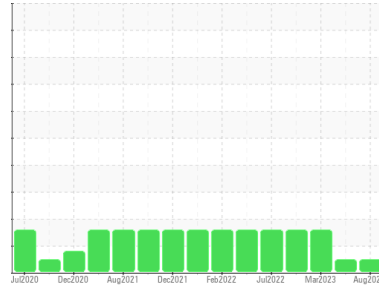


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**2026867**

Component  
**Transmission**

Fluid  
**PETRO CANADA SYNGEAR E CD-50 (--- 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 fluid.

### Fluid Condition

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

## SAMPLE INFORMATION

|               | method      | limit/base  | current            | history1    | history2    |
|---------------|-------------|-------------|--------------------|-------------|-------------|
| Sample Number | Client Info |             | <b>PCA0103350</b>  | PCA0099767  | PCA0095204  |
| Sample Date   | Client Info |             | <b>06 Aug 2023</b> | 31 May 2023 | 27 Mar 2023 |
| Machine Age   | mls         | Client Info | <b>336391</b>      | 311808      | 291746      |
| Oil Age       | mls         | Client Info | <b>336391</b>      | 311808      | 291746      |
| Oil Changed   | Client Info |             | <b>Not Changed</b> | Not Changed | Not Changed |
| Sample Status |             |             | <b>NORMAL</b>      | NORMAL      | ABNORMAL    |

## CONTAMINATION

|       | method    | limit/base | current    | history1 | history2 |
|-------|-----------|------------|------------|----------|----------|
| Water | WC Method | >0.1       | <b>NEG</b> | NEG      | NEG      |

## WEAR METALS

|          | method | limit/base       | current      | history1 | history2 |
|----------|--------|------------------|--------------|----------|----------|
| Iron     | ppm    | ASTM D5185m >200 | <b>43</b>    | 42       | 43       |
| Chromium | ppm    | ASTM D5185m >10  | <b>&lt;1</b> | <1       | <1       |
| Nickel   | ppm    | ASTM D5185m      | <b>0</b>     | 0        | 1        |
| Titanium | ppm    | ASTM D5185m      | <b>0</b>     | 0        | <1       |
| Silver   | ppm    | ASTM D5185m      | <b>0</b>     | 0        | 0        |
| Aluminum | ppm    | ASTM D5185m >50  | <b>1</b>     | 1        | 2        |
| Lead     | ppm    | ASTM D5185m >50  | <b>&lt;1</b> | <1       | 0        |
| Copper   | ppm    | ASTM D5185m >200 | <b>34</b>    | 36       | 44       |
| Tin      | ppm    | ASTM D5185m >10  | <b>0</b>     | 0        | 1        |
| Vanadium | ppm    | ASTM D5185m      | <b>&lt;1</b> | <1       | <1       |
| Cadmium  | ppm    | ASTM D5185m      | <b>0</b>     | 0        | 0        |

## ADDITIVES

|            | method | limit/base  | current     | history1 | history2 |
|------------|--------|-------------|-------------|----------|----------|
| Boron      | ppm    | ASTM D5185m | <b>5</b>    | 5        | 5        |
| Barium     | ppm    | ASTM D5185m | <b>0</b>    | 0        | 0        |
| Molybdenum | ppm    | ASTM D5185m | <b>1</b>    | 1        | 1        |
| Manganese  | ppm    | ASTM D5185m | <b>8</b>    | 8        | 7        |
| Magnesium  | ppm    | ASTM D5185m | <b>0</b>    | 0        | 5        |
| Calcium    | ppm    | ASTM D5185m | <b>603</b>  | 614      | 696      |
| Phosphorus | ppm    | ASTM D5185m | <b>526</b>  | 535      | 624      |
| Zinc       | ppm    | ASTM D5185m | <b>0</b>    | 0        | 13       |
| Sulfur     | ppm    | ASTM D5185m | <b>3475</b> | 3471     | 4426     |

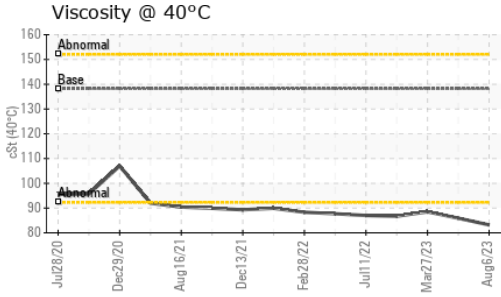
## CONTAMINANTS

|           | method | limit/base      | current      | history1 | history2 |
|-----------|--------|-----------------|--------------|----------|----------|
| Silicon   | ppm    | ASTM D5185m >50 | <b>52</b>    | 55       | ▲ 58     |
| Sodium    | ppm    | ASTM D5185m     | <b>&lt;1</b> | 1        | 2        |
| Potassium | ppm    | ASTM D5185m >20 | <b>0</b>     | <1       | 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>NONE</b>  | NONE     | NONE     |
| Debris           | scalar | *Visual NONE  | <b>LIGHT</b> | LIGHT    | 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 >0.1  | <b>NEG</b>   | NEG      | NEG      |
| Free Water       | scalar | *Visual       | <b>NEG</b>   | NEG      | NEG      |

# OIL ANALYSIS REPORT



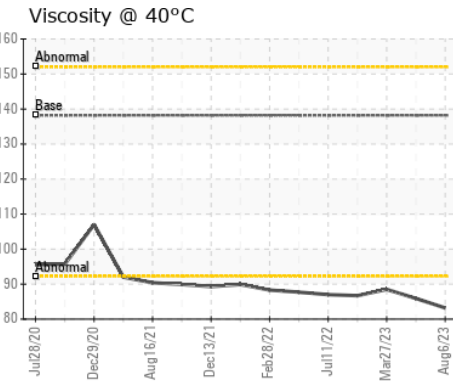
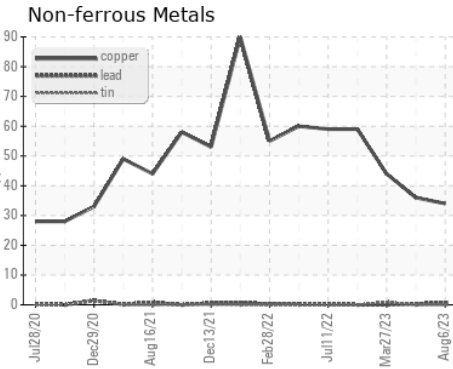
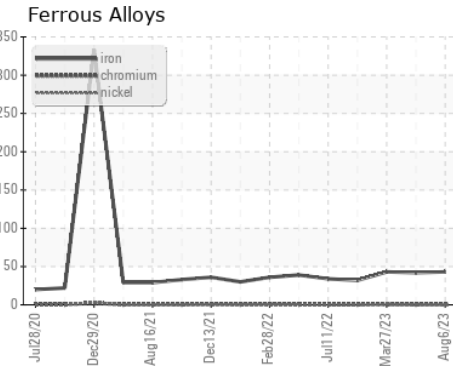
### FLUID PROPERTIES

| method      | limit/base    | current | history1    | history2 |
|-------------|---------------|---------|-------------|----------|
| Visc @ 40°C | cSt ASTM D445 | 138.2   | <b>83.2</b> | 85.9     |

### 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.** : PCA0103350  
**Lab Number** : 06032037  
**Unique Number** : 10781828  
**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: