

# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**2026832**  
 Component  
**Rear Differential**  
 Fluid  
**GEAR OIL SAE 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>PCA0101109</b>  | ---      | ---      |
| Sample Date   | Client Info |             | <b>29 Aug 2023</b> | ---      | ---      |
| Machine Age   | mls         | Client Info | <b>338155</b>      | ---      | ---      |
| Oil Age       | mls         | Client Info | <b>338155</b>      | ---      | ---      |
| Oil Changed   | Client Info |             | <b>N/A</b>         | ---      | ---      |
| Sample Status |             |             | <b>NORMAL</b>      | ---      | ---      |

## WEAR METALS

|          | method | limit/base       | current      | history1 | history2 |
|----------|--------|------------------|--------------|----------|----------|
| Iron     | ppm    | ASTM D5185m >500 | <b>159</b>   | ---      | ---      |
| Chromium | ppm    | ASTM D5185m >10  | <b>2</b>     | ---      | ---      |
| Nickel   | ppm    | ASTM D5185m >10  | <b>6</b>     | ---      | ---      |
| Titanium | ppm    | ASTM D5185m      | <b>0</b>     | ---      | ---      |
| Silver   | ppm    | ASTM D5185m      | <b>0</b>     | ---      | ---      |
| Aluminum | ppm    | ASTM D5185m >25  | <b>4</b>     | ---      | ---      |
| Lead     | ppm    | ASTM D5185m >25  | <b>0</b>     | ---      | ---      |
| Copper   | ppm    | ASTM D5185m >100 | <b>&lt;1</b> | ---      | ---      |
| Tin      | ppm    | ASTM D5185m >10  | <b>&lt;1</b> | ---      | ---      |
| Vanadium | ppm    | ASTM D5185m      | <b>0</b>     | ---      | ---      |
| Cadmium  | ppm    | ASTM D5185m      | <b>0</b>     | ---      | ---      |

## ADDITIVES

|            | method | limit/base        | current      | history1 | history2 |
|------------|--------|-------------------|--------------|----------|----------|
| Boron      | ppm    | ASTM D5185m 400   | <b>317</b>   | ---      | ---      |
| Barium     | ppm    | ASTM D5185m 200   | <b>0</b>     | ---      | ---      |
| Molybdenum | ppm    | ASTM D5185m 12    | <b>0</b>     | ---      | ---      |
| Manganese  | ppm    | ASTM D5185m       | <b>7</b>     | ---      | ---      |
| Magnesium  | ppm    | ASTM D5185m 12    | <b>1</b>     | ---      | ---      |
| Calcium    | ppm    | ASTM D5185m 150   | <b>12</b>    | ---      | ---      |
| Phosphorus | ppm    | ASTM D5185m 1650  | <b>1381</b>  | ---      | ---      |
| Zinc       | ppm    | ASTM D5185m 125   | <b>11</b>    | ---      | ---      |
| Sulfur     | ppm    | ASTM D5185m 22500 | <b>28323</b> | ---      | ---      |

## CONTAMINANTS

|           | method | limit/base      | current   | history1 | history2 |
|-----------|--------|-----------------|-----------|----------|----------|
| Silicon   | ppm    | ASTM D5185m >75 | <b>35</b> | ---      | ---      |
| Sodium    | ppm    | ASTM D5185m     | <b>7</b>  | ---      | ---      |
| Potassium | ppm    | ASTM D5185m >20 | <b>3</b>  | ---      | ---      |

## VISUAL

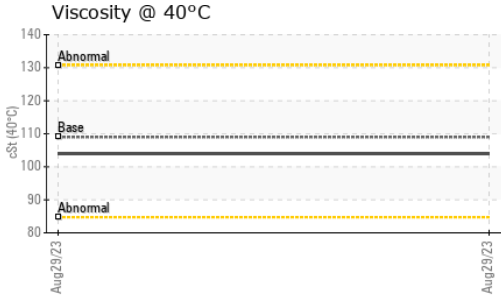
|                  | method | limit/base    | current      | history1 | history2 |
|------------------|--------|---------------|--------------|----------|----------|
| White Metal      | scalar | *Visual NONE  | <b>NONE</b>  | ---      | ---      |
| Yellow Metal     | scalar | *Visual NONE  | <b>NONE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

## FLUID PROPERTIES

|             | method | limit/base    | current    | history1 | history2 |
|-------------|--------|---------------|------------|----------|----------|
| Visc @ 40°C | cSt    | ASTM D445 109 | <b>104</b> | ---      | ---      |

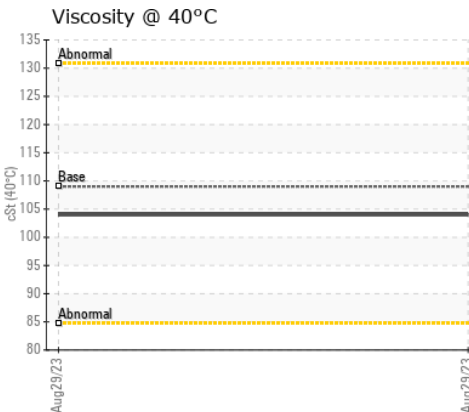
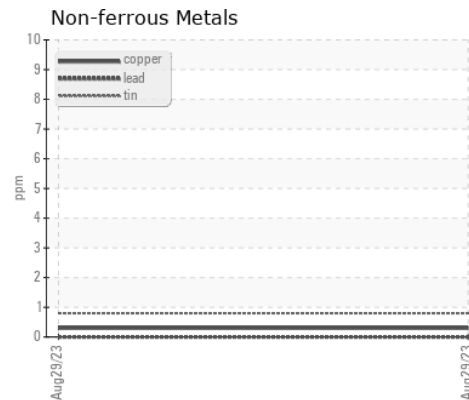
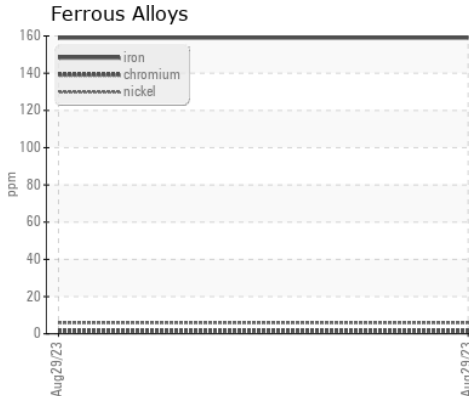


# OIL ANALYSIS REPORT



| 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.** : PCA0101109 **Received** : 30 Aug 2023  
**Lab Number** : 05939375 **Diagnosed** : 01 Sep 2023  
**Unique Number** : 10629987 **Diagnostician** : Sean Felton  
**Test Package** : FLEET

**PERDUE FARMS - Lewiston**  
 210 GRIFFINS QUARTER RD  
 LEWISTON, NC  
 US 27849  
 Contact: NELSON WALLACE  
 nelson.wallace2@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: