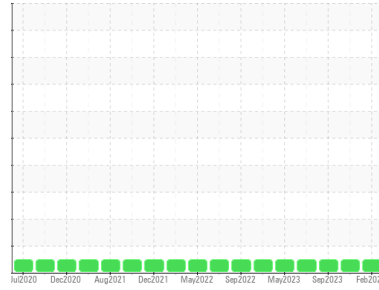


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**2026867**  
 Component  
**1 Differential**  
 Fluid  
**GEAR OIL SAE 80W90 (--- QTS)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

### 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>PCA0119529</b>  | PCA0112406  | PCA0107398  |
| Sample Date        | Client Info     |        |            | <b>18 Feb 2024</b> | 10 Dec 2023 | 26 Sep 2023 |
| Machine Age        | mls Client Info |        |            | <b>405452</b>      | 382251      | 355117      |
| Oil Age            | mls Client Info |        |            | <b>405452</b>      | 382251      | 355117      |
| Oil Changed        | Client Info     |        |            | <b>Not Chngd</b>   | Not Chngd   | Not Chngd   |
| Sample Status      |                 |        |            | <b>NORMAL</b>      | NORMAL      | NORMAL      |

| CONTAMINATION |           | method | limit/base | current    | history1 | history2 |
|---------------|-----------|--------|------------|------------|----------|----------|
| Water         | WC Method |        | >.2        | <b>NEG</b> | NEG      | NEG      |

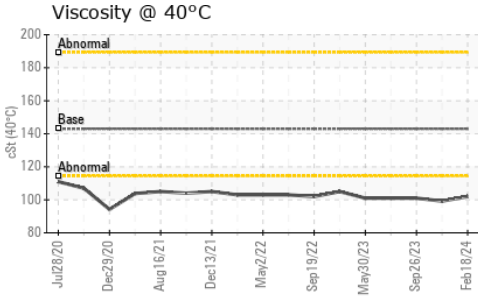
| WEAR METALS |     | method      | limit/base | current    | history1 | history2 |
|-------------|-----|-------------|------------|------------|----------|----------|
| Iron        | ppm | ASTM D5185m | >500       | <b>387</b> | 397      | 434      |
| Chromium    | ppm | ASTM D5185m | >10        | <b>3</b>   | 3        | 3        |
| Nickel      | ppm | ASTM D5185m | >10        | <b>5</b>   | 6        | 6        |
| Titanium    | ppm | ASTM D5185m |            | <b>0</b>   | <1       | 0        |
| Silver      | ppm | ASTM D5185m |            | <b>0</b>   | 0        | 0        |
| Aluminum    | ppm | ASTM D5185m | >25        | <b>2</b>   | 1        | 2        |
| Lead        | ppm | ASTM D5185m | >25        | <b>0</b>   | 1        | 2        |
| Copper      | ppm | ASTM D5185m | >100       | <b>50</b>  | 53       | 56       |
| Tin         | ppm | ASTM D5185m | >10        | <b>2</b>   | 1        | 2        |
| 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 | 400        | <b>151</b>   | 178      | 119      |
| Barium     | ppm | ASTM D5185m | 200        | <b>0</b>     | 0        | 0        |
| Molybdenum | ppm | ASTM D5185m | 12         | <b>0</b>     | <1       | <1       |
| Manganese  | ppm | ASTM D5185m |            | <b>14</b>    | 15       | 17       |
| Magnesium  | ppm | ASTM D5185m | 12         | <b>0</b>     | <1       | 0        |
| Calcium    | ppm | ASTM D5185m | 150        | <b>0</b>     | 7        | 0        |
| Phosphorus | ppm | ASTM D5185m | 1650       | <b>1342</b>  | 1251     | 1196     |
| Zinc       | ppm | ASTM D5185m | 125        | <b>0</b>     | 0        | 9        |
| Sulfur     | ppm | ASTM D5185m | 22500      | <b>24812</b> | 26634    | 21714    |

| CONTAMINANTS |     | method      | limit/base | current   | history1 | history2 |
|--------------|-----|-------------|------------|-----------|----------|----------|
| Silicon      | ppm | ASTM D5185m | >75        | <b>48</b> | 51       | 59       |
| Sodium       | ppm | ASTM D5185m | >170       | <b>8</b>  | 6        | 9        |
| Potassium    | ppm | ASTM D5185m | >20        | <b>0</b>  | 5        | 2        |

| 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>  | LIGHT    | LIGHT    |
| 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

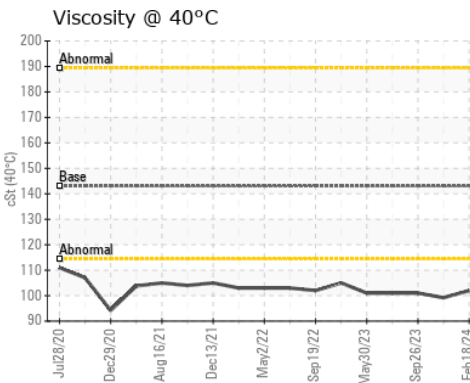
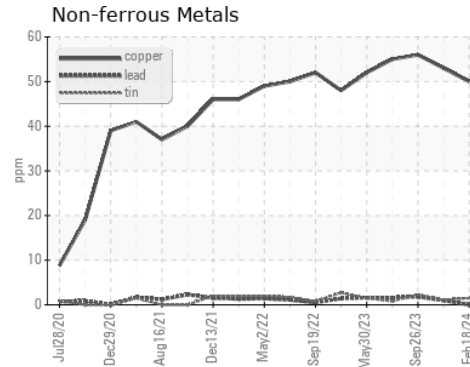
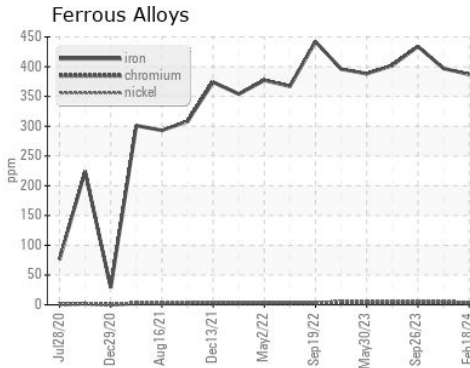


| FLUID PROPERTIES | method | limit/base | current | history1   | history2 |     |
|------------------|--------|------------|---------|------------|----------|-----|
| Visc @ 40°C      | cSt    | ASTM D445  | 143     | <b>102</b> | 99.2     | 101 |

| 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.** : PCA0119529      **Received** : 14 Mar 2024  
**Lab Number** : **06118645**      **Tested** : 15 Mar 2024  
**Unique Number** : 10927478      **Diagnosed** : 15 Mar 2024 - Wes Davis  
**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: