

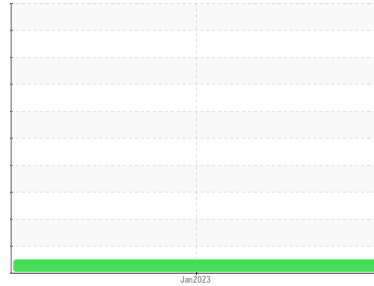
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**DT826**  
Component  
**Transmission (Auto)**  
Fluid  
**COGNIS EMGARD 2805 ATF (36 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>PCA0089112</b>  | ---      | ---      |
| Sample Date        | Client Info     |        |            | <b>26 Jan 2023</b> | ---      | ---      |
| Machine Age        | hrs Client Info |        |            | <b>56123</b>       | ---      | ---      |
| Oil Age            | hrs Client Info |        |            | <b>56123</b>       | ---      | ---      |
| Oil Changed        | Client Info     |        |            | <b>Not Chngd</b>   | ---      | ---      |
| Sample Status      |                 |        |            | <b>NORMAL</b>      | ---      | ---      |

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

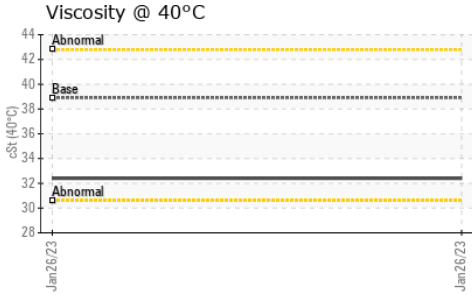
| WEAR METALS |     | method      | limit/base | current      | history1 | history2 |
|-------------|-----|-------------|------------|--------------|----------|----------|
| Iron        | ppm | ASTM D5185m | >300       | <b>64</b>    | ---      | ---      |
| Chromium    | ppm | ASTM D5185m | >2         | <b>&lt;1</b> | ---      | ---      |
| Nickel      | ppm | ASTM D5185m | >4         | <b>&lt;1</b> | ---      | ---      |
| Titanium    | ppm | ASTM D5185m | >3         | <b>&lt;1</b> | ---      | ---      |
| Silver      | ppm | ASTM D5185m | >5         | <b>0</b>     | ---      | ---      |
| Aluminum    | ppm | ASTM D5185m | >70        | <b>35</b>    | ---      | ---      |
| Lead        | ppm | ASTM D5185m | >85        | <b>22</b>    | ---      | ---      |
| Copper      | ppm | ASTM D5185m | >90        | <b>28</b>    | ---      | ---      |
| Tin         | ppm | ASTM D5185m | >10        | <b>7</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 |            | <b>42</b>  | ---      | ---      |
| Barium     | ppm | ASTM D5185m |            | <b>0</b>   | ---      | ---      |
| Molybdenum | ppm | ASTM D5185m |            | <b>0</b>   | ---      | ---      |
| Manganese  | ppm | ASTM D5185m |            | <b>2</b>   | ---      | ---      |
| Magnesium  | ppm | ASTM D5185m |            | <b>3</b>   | ---      | ---      |
| Calcium    | ppm | ASTM D5185m |            | <b>133</b> | ---      | ---      |
| Phosphorus | ppm | ASTM D5185m |            | <b>184</b> | ---      | ---      |
| Zinc       | ppm | ASTM D5185m |            | <b>12</b>  | ---      | ---      |
| Sulfur     | ppm | ASTM D5185m |            | <b>614</b> | ---      | ---      |

| CONTAMINANTS |     | method      | limit/base | current  | history1 | history2 |
|--------------|-----|-------------|------------|----------|----------|----------|
| Silicon      | ppm | ASTM D5185m | >20        | <b>9</b> | ---      | ---      |
| Sodium       | ppm | ASTM D5185m |            | <b>7</b> | ---      | ---      |
| Potassium    | ppm | ASTM D5185m | >20        | <b>5</b> | ---      | ---      |

| VISUAL           |        | method  | limit/base | current      | history1 | history2 |
|------------------|--------|---------|------------|--------------|----------|----------|
| White Metal      | scalar | *Visual | NONE       | <b>LIGHT</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 | >0.1       | <b>NEG</b>   | ---      | ---      |
| Free Water       | scalar | *Visual |            | <b>NEG</b>   | ---      | ---      |

# OIL ANALYSIS REPORT



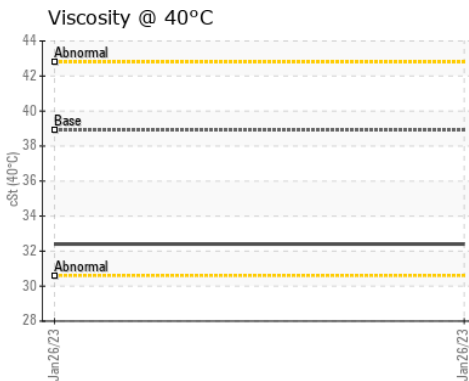
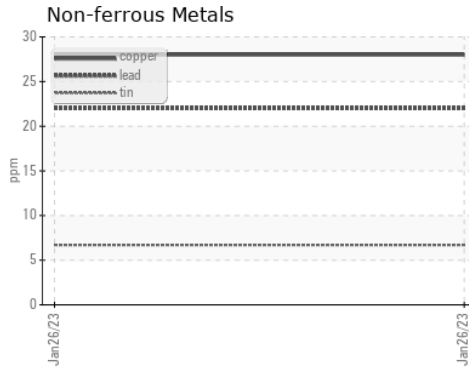
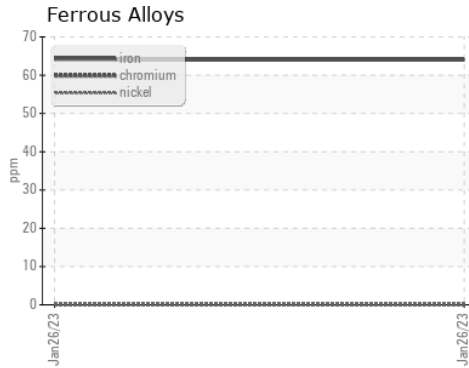
### FLUID PROPERTIES

| method      | limit/base    | current | history1    | history2 |     |
|-------------|---------------|---------|-------------|----------|-----|
| Visc @ 40°C | cSt ASTM D445 | 38.9    | <b>32.4</b> | ---      | --- |

### 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.** : PCA0089112      **Received** : 29 Feb 2024  
**Lab Number** : **06104678**      **Tested** : 01 Mar 2024  
**Unique Number** : 10902908      **Diagnosed** : 04 Mar 2024 - Don Baldrige  
**Test Package** : FLEET

**NW WHITE & CO - GREER DIVISION**  
 1060 ROGERS BRIDGE RD  
 DUNCAN, SC  
 US 29334  
 Contact: Matt Quinlan  
 mquinlan@nwwhite.com  
 T: (864)905-8506  
 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)