



Area  
**NWW GREENWOOD**

Machine Id  
**DT707**

Component  
**Transmission (Auto)**

Fluid  
**COGNIS EMGARD 2805 ATF (36 QTS)**

**RECOMMENDATION**

No corrective action is recommended at this time. Resample at the next service interval to monitor.

| Test           | UOM | Method      | Limit/Abn | Current     | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|----------|----------|
| Sample Number  |     | Client Info |           | PCA0127155  | ---      | ---      |
| Sample Date    |     | Client Info |           | 16 May 2024 | ---      | ---      |
| Machine Age    | mls | Client Info |           | 212528      | ---      | ---      |
| Oil Age        | mls | Client Info |           | 0           | ---      | ---      |
| Filter Age     | mls | Client Info |           | 0           | ---      | ---      |
| Oil Changed    |     | Client Info |           | Not Changed | ---      | ---      |
| Filter Changed |     | Client Info |           | Not Changed | ---      | ---      |
| Sample Status  |     |             |           | ABNORMAL    | ---      | ---      |

**WEAR**

The aluminum level is abnormal. All other component wear rates are normal.

|              |        |             |      |      |     |     |
|--------------|--------|-------------|------|------|-----|-----|
| Iron         | ppm    | ASTM D5185m | >160 | 117  | --- | --- |
| Chromium     | ppm    | ASTM D5185m | >5   | <1   | --- | --- |
| Nickel       | ppm    | ASTM D5185m | >5   | <1   | --- | --- |
| Titanium     | ppm    | ASTM D5185m |      | <1   | --- | --- |
| Silver       | ppm    | ASTM D5185m | >5   | <1   | --- | --- |
| Aluminum     | ppm    | ASTM D5185m | >50  | ▲ 52 | --- | --- |
| Lead         | ppm    | ASTM D5185m | >50  | 47   | --- | --- |
| Copper       | ppm    | ASTM D5185m | >225 | 20   | --- | --- |
| Tin          | ppm    | ASTM D5185m | >10  | 6    | --- | --- |
| Vanadium     | ppm    | ASTM D5185m |      | <1   | --- | --- |
| White Metal  | scalar | *Visual     | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual     | NONE | NONE | --- | --- |

**CONTAMINATION**

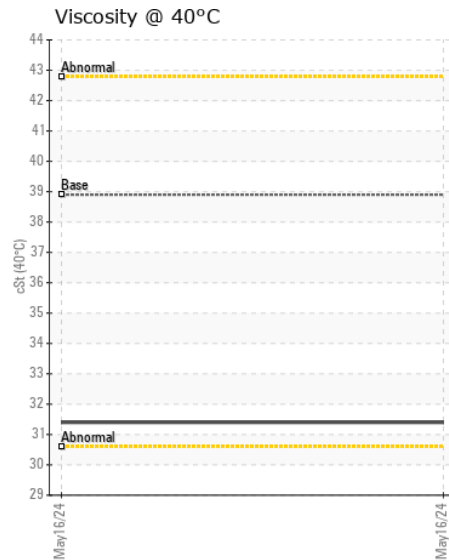
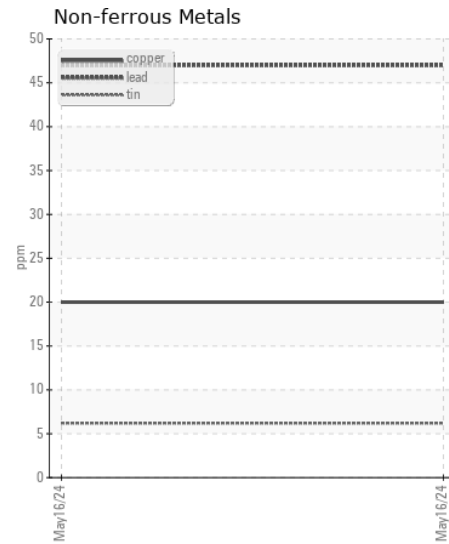
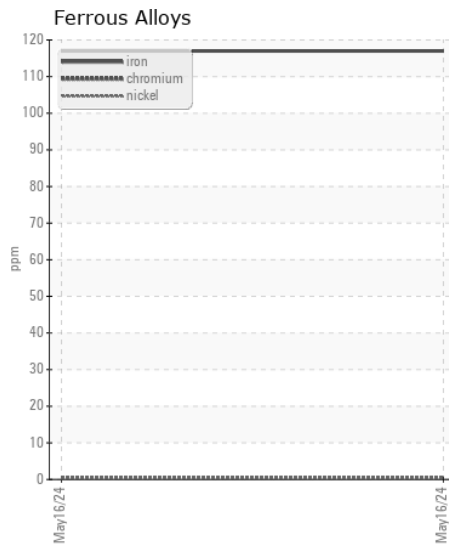
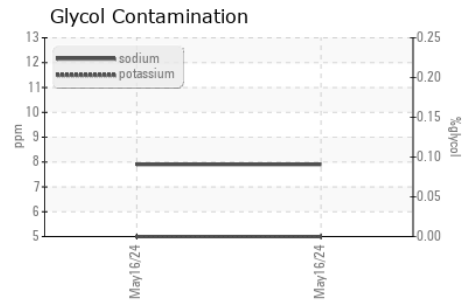
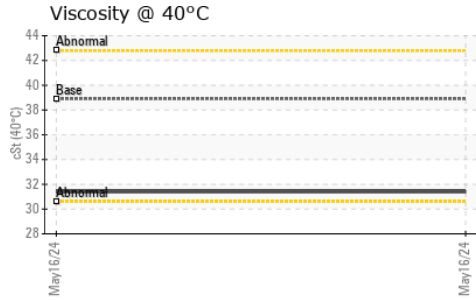
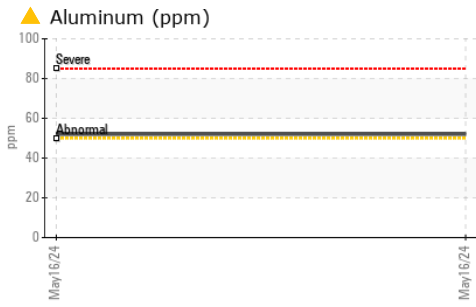
There is no indication of any contamination in the fluid.

|                  |        |             |       |       |     |     |
|------------------|--------|-------------|-------|-------|-----|-----|
| Silicon          | ppm    | ASTM D5185m | >20   | 8     | --- | --- |
| Potassium        | ppm    | ASTM D5185m | >20   | 5     | --- | --- |
| Water            |        | WC Method   | >0.1  | NEG   | --- | --- |
| Silt             | scalar | *Visual     | NONE  | NONE  | --- | --- |
| Debris           | scalar | *Visual     | NONE  | NONE  | --- | --- |
| Sand/Dirt        | scalar | *Visual     | NONE  | NONE  | --- | --- |
| Appearance       | scalar | *Visual     | NORML | NORML | --- | --- |
| Odor             | scalar | *Visual     | NORML | NORML | --- | --- |
| Emulsified Water | scalar | *Visual     | >0.1  | NEG   | --- | --- |

**FLUID CONDITION**

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

|             |     |             |      |      |     |     |
|-------------|-----|-------------|------|------|-----|-----|
| Sodium      | ppm | ASTM D5185m |      | 8    | --- | --- |
| Boron       | ppm | ASTM D5185m |      | 102  | --- | --- |
| Barium      | ppm | ASTM D5185m |      | 0    | --- | --- |
| Molybdenum  | ppm | ASTM D5185m |      | 1    | --- | --- |
| Manganese   | ppm | ASTM D5185m |      | 2    | --- | --- |
| Magnesium   | ppm | ASTM D5185m |      | 2    | --- | --- |
| Calcium     | ppm | ASTM D5185m |      | 69   | --- | --- |
| Phosphorus  | ppm | ASTM D5185m |      | 277  | --- | --- |
| Zinc        | ppm | ASTM D5185m |      | 5    | --- | --- |
| Sulfur      | ppm | ASTM D5185m |      | 882  | --- | --- |
| Visc @ 40°C | cSt | ASTM D445   | 38.9 | 31.4 | --- | --- |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : PCA0127155

**Lab Number** : 06189866

**Unique Number** : 11046618

**Test Package** : FLEET ( Additional Tests: Glycol )

**Received** : 23 May 2024

**Tested** : 30 May 2024

**Diagnosed** : 30 May 2024 - Jonathan Hester

**NW WHITE & CO - GREENWOOD DIVISION**

411 QUARRY ROAD

GREENWOOD, SC

US 29149

Contact: Mitchell Brown

greenwoodshop@nwwhite.com

T: (864)389-9553

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)