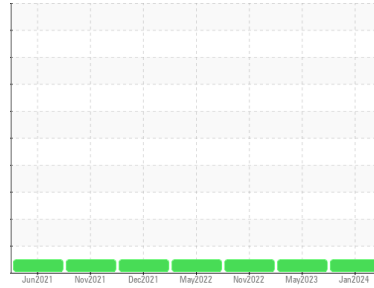


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
DT756
Component
Transmission (Auto)
Fluid
COGNIS EMGARD 2805 ATF (--- 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 | | PCA0113223 | PCA0096984 | PCA0080922 |
| Sample Date | Client Info | | 23 Jan 2024 | 23 May 2023 | 17 Nov 2022 |
| Machine Age | mls | Client Info | 181630 | 155134 | 129650 |
| Oil Age | mls | Client Info | 155134 | 101694 | 101719 |
| Oil Changed | Client Info | | Not Chngd | Changed | Not Chngd |
| Sample Status | | | NORMAL | NORMAL | NORMAL |

CONTAMINATION

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

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|------------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >220 | 60 | 118 | 88 |
| Chromium | ppm | ASTM D5185m >2 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185m >5 | 0 | <1 | 0 |
| Titanium | ppm | ASTM D5185m | 0 | 0 | <1 |
| Silver | ppm | ASTM D5185m >5 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m >75 | 19 | 30 | 24 |
| Lead | ppm | ASTM D5185m >95 | 27 | 90 | 78 |
| Copper | ppm | ASTM D5185m >60 | 30 | 53 | 39 |
| Tin | ppm | ASTM D5185m >10 | 2 | 3 | 2 |
| Vanadium | ppm | ASTM D5185m | 0 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | 0 | 0 | 0 |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | 83 | 189 | 164 |
| Barium | ppm | ASTM D5185m | <1 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 4 | 2 | 2 |
| Manganese | ppm | ASTM D5185m | 0 | 1 | 1 |
| Magnesium | ppm | ASTM D5185m | 33 | 16 | 15 |
| Calcium | ppm | ASTM D5185m | 179 | 159 | 155 |
| Phosphorus | ppm | ASTM D5185m | 289 | 432 | 403 |
| Zinc | ppm | ASTM D5185m | 45 | 34 | 32 |
| Sulfur | ppm | ASTM D5185m | 2159 | 2555 | 2184 |

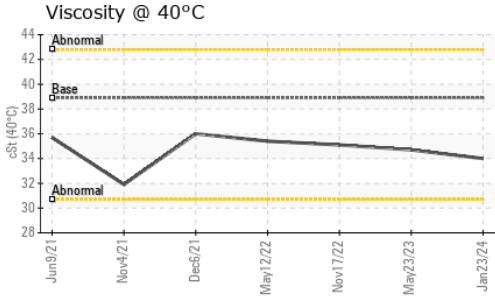
CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|-----------------|----------|----------|----------|
| Silicon | ppm | ASTM D5185m >25 | 5 | 6 | 9 |
| Sodium | ppm | ASTM D5185m | 3 | 8 | 7 |
| Potassium | ppm | ASTM D5185m >20 | 6 | 3 | 4 |

VISUAL

| | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|--------------|----------|----------|
| White Metal | scalar | *Visual NONE | NONE | NONE | VLITE |
| Yellow Metal | scalar | *Visual NONE | NONE | NONE | NONE |
| Precipitate | scalar | *Visual NONE | NONE | NONE | NONE |
| Silt | scalar | *Visual NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual NONE | NONE | NONE | LIGHT |
| Sand/Dirt | scalar | *Visual NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual >0.1 | NEG | NEG | NEG |
| Free Water | scalar | *Visual | NEG | NEG | NEG |

OIL ANALYSIS REPORT



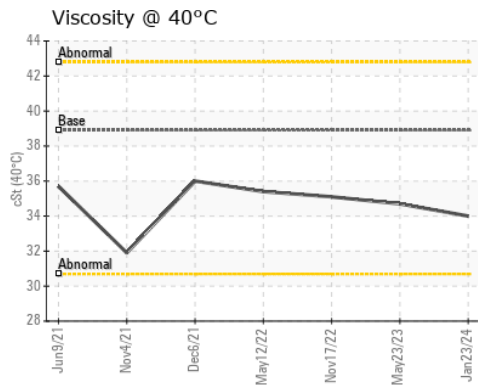
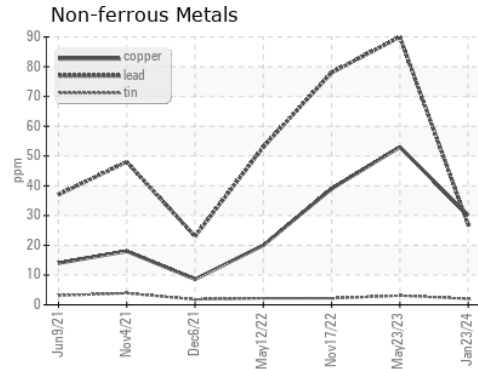
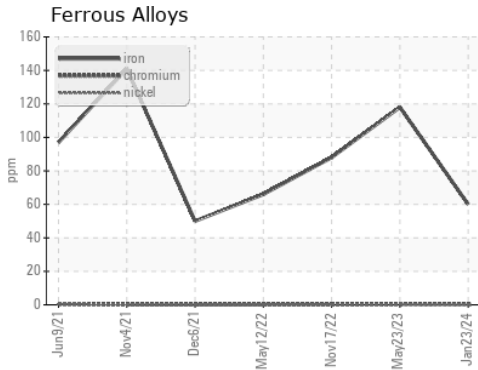
FLUID PROPERTIES

| method | limit/base | current | history1 | history2 |
|-------------|---------------|---------|-------------|-----------|
| Visc @ 40°C | cSt ASTM D445 | 38.9 | 34.0 | 34.7 35.1 |

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. : PCA0113223 **Received** : 29 Jan 2024
Lab Number : **06073406** **Diagnosed** : 30 Jan 2024
Unique Number : 10850083 **Diagnostician** : Wes Davis
Test Package : FLEET

NW WHITE & CO - ANDERSON DIVISION
 2605 RIVER RD
 PIEDMONT, SC
 US 29673
 Contact: James Threatt
 jthreatt@nwwhite.com
 T: (864)918-4646
 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)