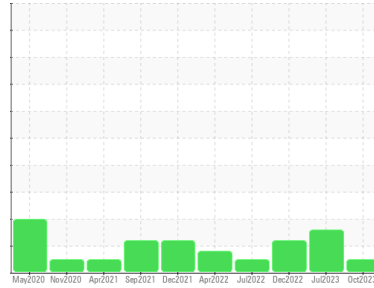


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
T307
 Component
Transmission (Auto)
 Fluid
COGNIS EMGARD 2805 ATF (36 hrs)

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 | | PCA0107492 | PCA0095625 | PCA0087392 |
| Sample Date | Client Info | | 11 Oct 2023 | 05 Jul 2023 | 21 Dec 2022 |
| Machine Age | mls | Client Info | 290899 | 263120 | 246093 |
| Oil Age | mls | Client Info | 75000 | 75000 | 153048 |
| Oil Changed | Client Info | | Not Chngd | Not Chngd | Not Chngd |
| Sample Status | | | NORMAL | ABNORMAL | ABNORMAL |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|------------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >160 | 39 | 32 | 42 |
| Chromium | ppm | ASTM D5185m >5 | <1 | 0 | 0 |
| Nickel | ppm | ASTM D5185m >5 | <1 | <1 | 0 |
| Titanium | ppm | ASTM D5185m | 0 | <1 | 0 |
| Silver | ppm | ASTM D5185m >5 | 0 | <1 | 0 |
| Aluminum | ppm | ASTM D5185m >50 | 9 | 7 | 8 |
| Lead | ppm | ASTM D5185m >50 | 10 | 10 | 18 |
| Copper | ppm | ASTM D5185m >225 | 25 | 17 | 20 |
| Tin | ppm | ASTM D5185m >10 | <1 | <1 | <1 |
| 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 | 81 | 108 | 119 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | <1 | <1 | <1 |
| Manganese | ppm | ASTM D5185m | 0 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | 2 | 1 | <1 |
| Calcium | ppm | ASTM D5185m | 119 | 132 | 128 |
| Phosphorus | ppm | ASTM D5185m | 222 | 240 | 300 |
| Zinc | ppm | ASTM D5185m | 2 | 11 | 13 |
| Sulfur | ppm | ASTM D5185m | 1758 | 1846 | 1912 |

CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|-----------------|----------|----------|----------|
| Silicon | ppm | ASTM D5185m >20 | 3 | 6 | 4 |
| Sodium | ppm | ASTM D5185m | 3 | 0 | 4 |
| Potassium | ppm | ASTM D5185m >20 | 1 | 2 | 0 |

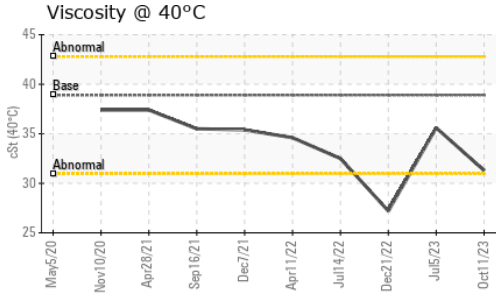
VISUAL

| | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|--------------|----------|----------|
| White Metal | scalar | *Visual NONE | NONE | ▲ MODER | ▲ MODER |
| 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 | LIGHT | ▲ MODER | NONE |
| 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 |

FLUID PROPERTIES

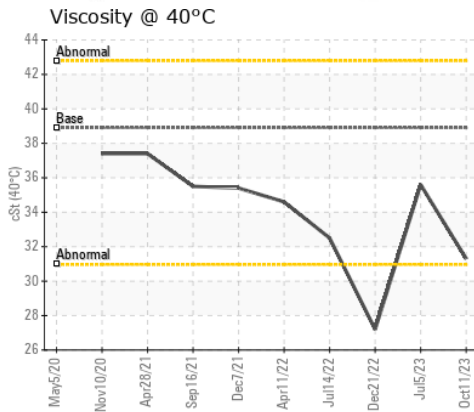
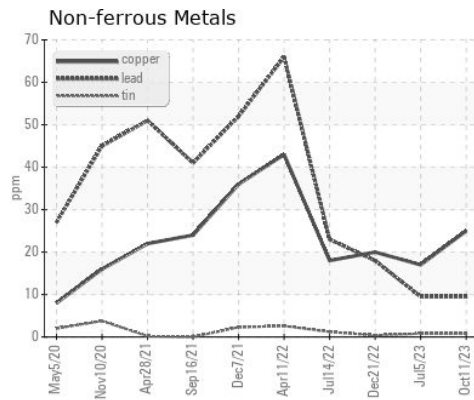
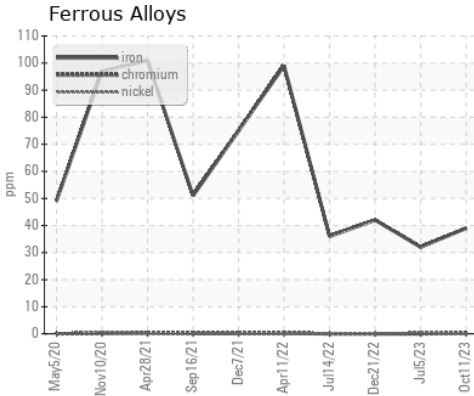
| | method | limit/base | current | history1 | history2 |
|-------------|--------|----------------|-------------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 38.9 | 31.3 | 35.6 | 27.2 |

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. : PCA0107492
Lab Number : 05983284
Unique Number : 10700579
Test Package : FLEET

NW WHITE & CO - SPECIAL SERVICE DIVISION
 100 INDEPENDENCE BLVD
 COLUMBIA, SC
 US 29210
 Contact: George Edwards
 gedwards@nwwhite.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: