

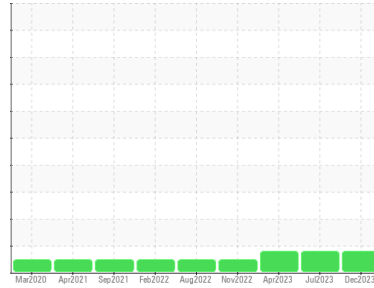
OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Machine Id
DT694
 Component
Transmission (Auto)
 Fluid
COGNIS EMGARD 2805 ATF (15 mls)



DIAGNOSIS

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

Wear
 The lead level is abnormal. All other 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 | | PCA0111623 | PCA0101870 | PCA0095219 |
| Sample Date | Client Info | | 27 Dec 2023 | 27 Jul 2023 | 13 Apr 2023 |
| Machine Age | mls | Client Info | 24454 | 24454 | 24454 |
| Oil Age | mls | Client Info | 24454 | 24454 | 24454 |
| Oil Changed | Client Info | | N/A | N/A | N/A |
| Sample Status | | | ABNORMAL | ABNORMAL | ABNORMAL |

| 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 >160 | 76 | 68 | 61 |
| Chromium | ppm | ASTM D5185m >5 | 0 | <1 | 0 |
| Nickel | ppm | ASTM D5185m >5 | 0 | <1 | 0 |
| Titanium | ppm | ASTM D5185m | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m >5 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m >50 | 27 | 27 | 22 |
| Lead | ppm | ASTM D5185m >50 | ▲ 99 | ▲ 95 | ▲ 63 |
| Copper | ppm | ASTM D5185m >225 | 30 | 28 | 16 |
| Tin | ppm | ASTM D5185m >10 | 3 | 3 | 2 |
| Vanadium | ppm | ASTM D5185m | 0 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | 0 | 0 | 0 |

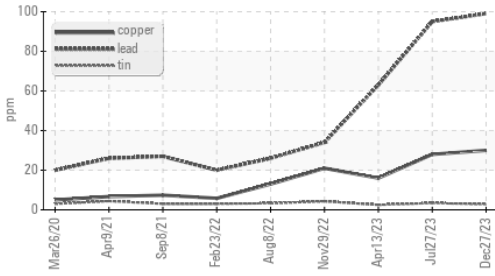
| ADDITIVES | method | limit/base | current | history1 | history2 |
|------------|--------|-------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | 116 | 156 | 148 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 6 | 6 | 6 |
| Manganese | ppm | ASTM D5185m | <1 | <1 | 1 |
| Magnesium | ppm | ASTM D5185m | 28 | 28 | 29 |
| Calcium | ppm | ASTM D5185m | 219 | 222 | 233 |
| Phosphorus | ppm | ASTM D5185m | 397 | 375 | 440 |
| Zinc | ppm | ASTM D5185m | 102 | 112 | 110 |
| Sulfur | ppm | ASTM D5185m | 2310 | 2018 | 1905 |

| CONTAMINANTS | method | limit/base | current | history1 | history2 |
|--------------|--------|-----------------|----------|----------|----------|
| Silicon | ppm | ASTM D5185m >20 | 6 | 6 | 5 |
| Sodium | ppm | ASTM D5185m | 8 | 6 | 6 |
| Potassium | ppm | ASTM D5185m >20 | 2 | 2 | 3 |

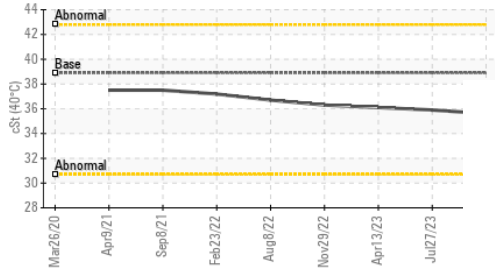
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|--------------|----------|----------|
| White Metal | scalar | *Visual NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual NONE | NONE | NONE | NONE |
| Precipitate | scalar | *Visual NONE | NONE | NONE | NONE |
| Silt | scalar | *Visual NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual NONE | NONE | NONE | 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 |

OIL ANALYSIS REPORT

▲ Non-ferrous Metals



Viscosity @ 40°C



FLUID PROPERTIES

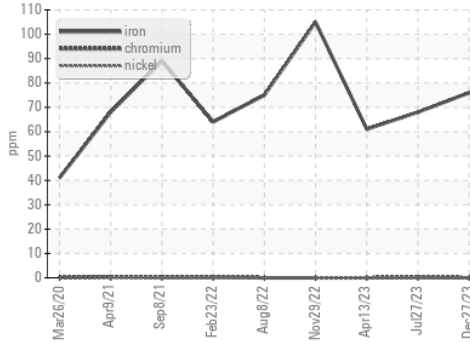
| method | limit/base | current | history1 | history2 | |
|-------------|---------------|---------|-------------|----------|------|
| Visc @ 40°C | cSt ASTM D445 | 38.9 | 35.6 | 35.9 | 36.1 |

SAMPLE IMAGES

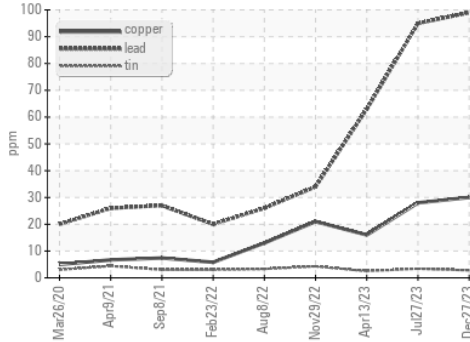
| method | limit/base | current | history1 | history2 | |
|--------|------------|---------|----------|----------|----------|
| Color | | | no image | no image | no image |
| Bottom | | | no image | no image | no image |

GRAPHS

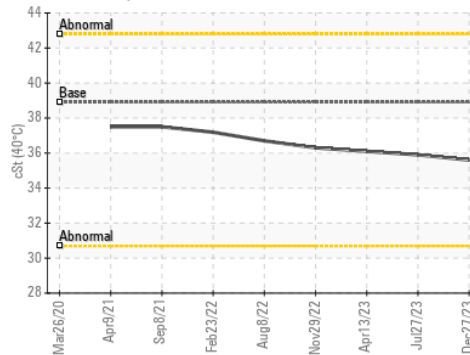
Ferrous Alloys



▲ Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0111623
Lab Number : **06063936**
Unique Number : 10835318
Test Package : FLEET

NW WHITE & CO - BEAUFORT DIVISION
 1491 YENMASSEE HIGHWAY
 VARNVILLE, SC
 US 29944
 Contact: VINCENT BULLOCK
 bullockvince514@gmail.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: