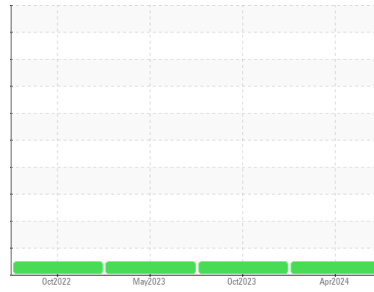


OIL ANALYSIS REPORT



Machine Id
DT819
 Component
Transmission (Auto)
 Fluid
SHELL SPIRAX S6 ATF (36 QTS)

Sample Rating Trend



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 | | PCA0113190 | PCA0103293 | PCA0096966 |
| Sample Date | Client Info | | 25 Apr 2024 | 10 Oct 2023 | 09 May 2023 |
| Machine Age | mls | Client Info | 104267 | 76449 | 50474 |
| Oil Age | mls | Client Info | 27818 | 76449 | 50474 |
| Oil Changed | Client Info | | Not Changed | Changed | Not Changed |
| 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 >300 | 39 | 81 | 57 |
| Chromium | ppm | ASTM D5185m >2 | 0 | <1 | <1 |
| Nickel | ppm | ASTM D5185m >4 | 0 | <1 | <1 |
| Titanium | ppm | ASTM D5185m >3 | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m >5 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m >70 | 20 | 29 | 26 |
| Lead | ppm | ASTM D5185m >85 | 7 | 15 | 11 |
| Copper | ppm | ASTM D5185m >90 | 12 | 33 | 23 |
| Tin | ppm | ASTM D5185m >10 | 2 | 6 | 4 |
| 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 | 70 | 42 | 51 |
| Barium | ppm | ASTM D5185m | 0 | 2 | 0 |
| Molybdenum | ppm | ASTM D5185m | 4 | <1 | <1 |
| Manganese | ppm | ASTM D5185m | <1 | 2 | 1 |
| Magnesium | ppm | ASTM D5185m | 43 | 2 | 1 |
| Calcium | ppm | ASTM D5185m | 184 | 114 | 127 |
| Phosphorus | ppm | ASTM D5185m | 269 | 190 | 215 |
| Zinc | ppm | ASTM D5185m | 63 | 5 | 6 |
| Sulfur | ppm | ASTM D5185m | 2221 | 1947 | 1959 |

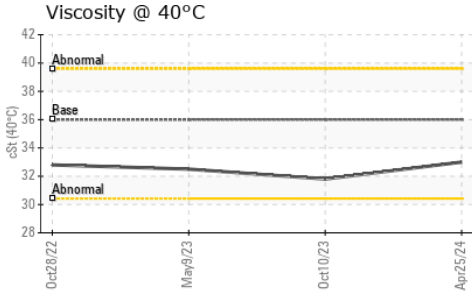
CONTAMINANTS

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



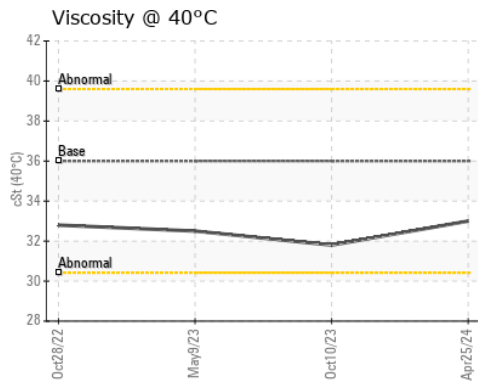
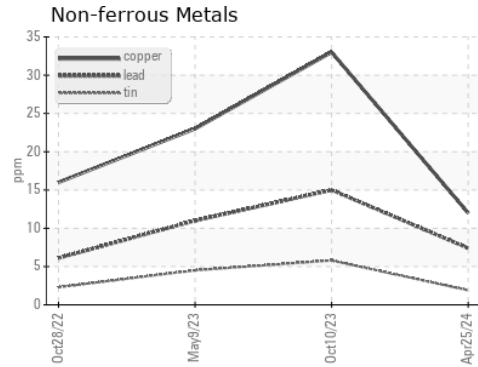
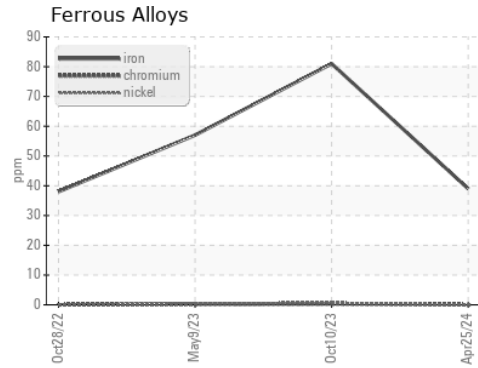
FLUID PROPERTIES

| method | limit/base | current | history1 | history2 | |
|-------------|---------------|---------|-------------|----------|------|
| Visc @ 40°C | cSt ASTM D445 | 36 | 33.0 | 31.8 | 32.5 |

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. : PCA0113190 **Received** : 10 May 2024
Lab Number : **06175964** **Tested** : 12 May 2024
Unique Number : 11022017 **Diagnosed** : 12 May 2024 - 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)