

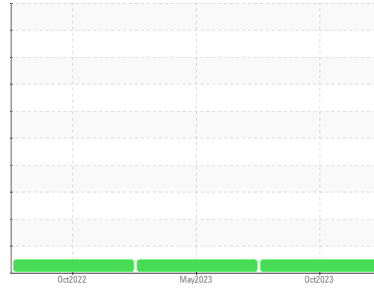
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
DT819
Component
Transmission (Auto)
Fluid
SHELL SPIRAX S6 ATF (36 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 | | PCA0103293 | PCA0096966 | PCA0080949 |
| Sample Date | Client Info | | 10 Oct 2023 | 09 May 2023 | 28 Oct 2022 |
| Machine Age | mls | Client Info | 76449 | 50474 | 24287 |
| Oil Age | mls | Client Info | 76449 | 50474 | 0 |
| Oil Changed | Client Info | | Changed | Not Changd | Not Changd |
| Sample Status | | | NORMAL | NORMAL | NORMAL |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|------------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >300 | 81 | 57 | 38 |
| Chromium | ppm | ASTM D5185m >2 | <1 | <1 | 0 |
| Nickel | ppm | ASTM D5185m >4 | <1 | <1 | 0 |
| Titanium | ppm | ASTM D5185m >3 | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m >5 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m >70 | 29 | 26 | 14 |
| Lead | ppm | ASTM D5185m >85 | 15 | 11 | 6 |
| Copper | ppm | ASTM D5185m >90 | 33 | 23 | 16 |
| Tin | ppm | ASTM D5185m >10 | 6 | 4 | 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 | 42 | 51 | 61 |
| Barium | ppm | ASTM D5185m | 2 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | <1 | <1 | <1 |
| Manganese | ppm | ASTM D5185m | 2 | 1 | <1 |
| Magnesium | ppm | ASTM D5185m | 2 | 1 | 2 |
| Calcium | ppm | ASTM D5185m | 114 | 127 | 123 |
| Phosphorus | ppm | ASTM D5185m | 190 | 215 | 237 |
| Zinc | ppm | ASTM D5185m | 5 | 6 | 0 |
| Sulfur | ppm | ASTM D5185m | 1947 | 1959 | 1831 |

CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|-----------------|----------|----------|----------|
| Silicon | ppm | ASTM D5185m >20 | 7 | 5 | 4 |
| Sodium | ppm | ASTM D5185m | 6 | 5 | 5 |
| Potassium | ppm | ASTM D5185m >20 | 4 | 3 | 0 |

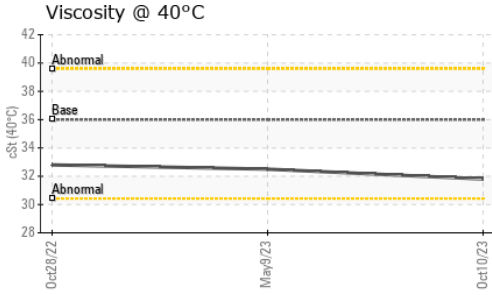
VISUAL

| | 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 |

FLUID PROPERTIES

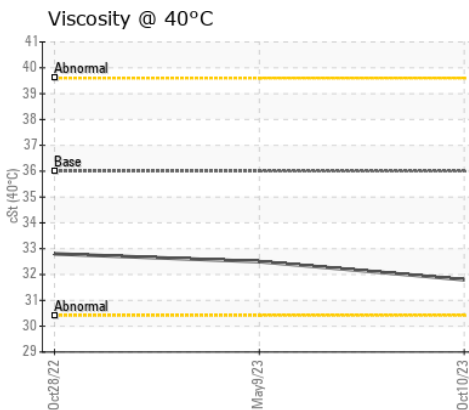
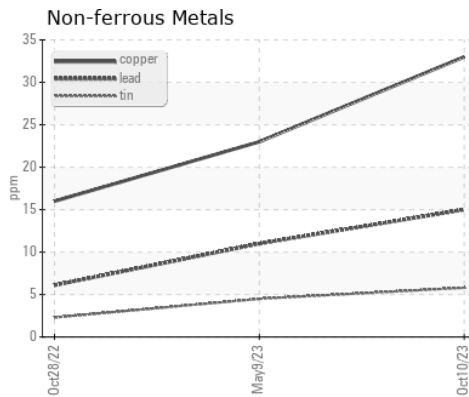
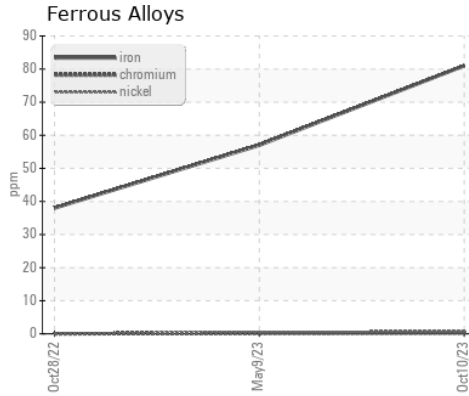
| | method | limit/base | current | history1 | history2 |
|-------------|--------|--------------|-------------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 36 | 31.8 | 32.5 | 32.8 |

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. : PCA0103293 **Received** : 12 Oct 2023
Lab Number : 05977451 **Diagnosed** : 16 Oct 2023
Unique Number : 10689401 **Diagnostician** : Sean Felton
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)