

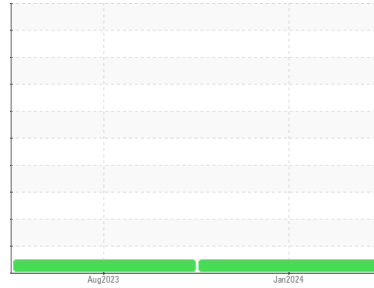
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
DT846
Component
Rear Differential
Fluid
GEAR OIL SAE 80 (--- GAL)



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 oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

| SAMPLE INFORMATION | | method | limit/base | current | history1 | history2 |
|--------------------|-------------|-------------|------------|--------------------|-------------|----------|
| Sample Number | Client Info | | | PCA0110900 | PCA0102187 | --- |
| Sample Date | Client Info | | | 24 Jan 2024 | 11 Aug 2023 | --- |
| Machine Age | mls | Client Info | | 75743 | 50972 | --- |
| Oil Age | mls | Client Info | | 0 | 0 | --- |
| Oil Changed | Client Info | | | Changed | Not Changd | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

| CONTAMINATION | | method | limit/base | current | history1 | history2 |
|---------------|-----------|--------|------------|------------|----------|----------|
| Water | WC Method | | >.2 | NEG | NEG | --- |

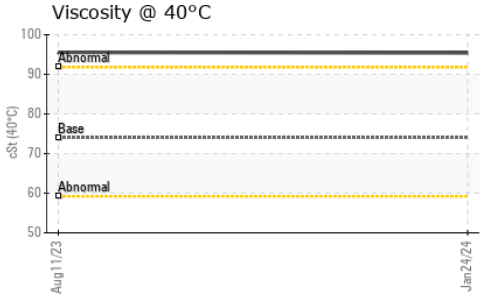
| WEAR METALS | | method | limit/base | current | history1 | history2 |
|-------------|-----|-------------|------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m | >1200 | 171 | 161 | --- |
| Chromium | ppm | ASTM D5185m | >8 | 2 | 1 | --- |
| Nickel | ppm | ASTM D5185m | >20 | 5 | 4 | --- |
| Titanium | ppm | ASTM D5185m | >4 | <1 | <1 | --- |
| Silver | ppm | ASTM D5185m | | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >30 | 4 | 5 | --- |
| Lead | ppm | ASTM D5185m | >25 | <1 | <1 | --- |
| Copper | ppm | ASTM D5185m | >50 | 2 | 1 | --- |
| Tin | ppm | ASTM D5185m | >5 | <1 | 0 | --- |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | --- |
| Cadmium | ppm | ASTM D5185m | | <1 | 0 | --- |

| ADDITIVES | | method | limit/base | current | history1 | history2 |
|------------|-----|-------------|------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | 400 | 157 | 172 | --- |
| Barium | ppm | ASTM D5185m | 200 | 0 | 2 | --- |
| Molybdenum | ppm | ASTM D5185m | 12 | 1 | <1 | --- |
| Manganese | ppm | ASTM D5185m | | 4 | 3 | --- |
| Magnesium | ppm | ASTM D5185m | 12 | 5 | 5 | --- |
| Calcium | ppm | ASTM D5185m | 150 | 22 | 22 | --- |
| Phosphorus | ppm | ASTM D5185m | 1650 | 1164 | 1084 | --- |
| Zinc | ppm | ASTM D5185m | 125 | 0 | 14 | --- |
| Sulfur | ppm | ASTM D5185m | 22500 | 27998 | 26185 | --- |

| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|--------------|-----|-------------|------------|------------|----------|----------|
| Silicon | ppm | ASTM D5185m | >230 | 151 | 183 | --- |
| Sodium | ppm | ASTM D5185m | | 3 | 0 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 3 | 3 | --- |

| VISUAL | | method | limit/base | current | history1 | history2 |
|------------------|--------|---------|------------|--------------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Precipitate | scalar | *Visual | NONE | NONE | NONE | --- |
| Silt | scalar | *Visual | NONE | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | NONE | NONE | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >.2 | NEG | NEG | --- |
| Free Water | scalar | *Visual | | NEG | NEG | --- |

OIL ANALYSIS REPORT



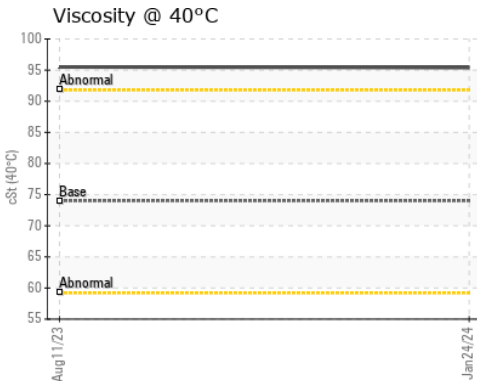
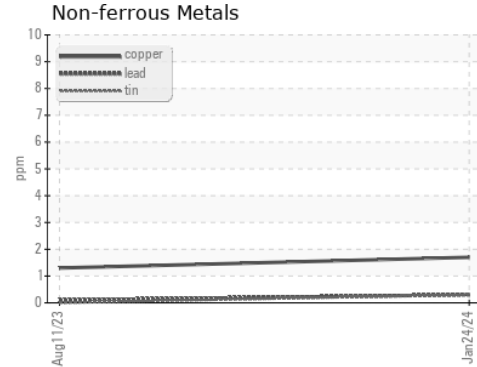
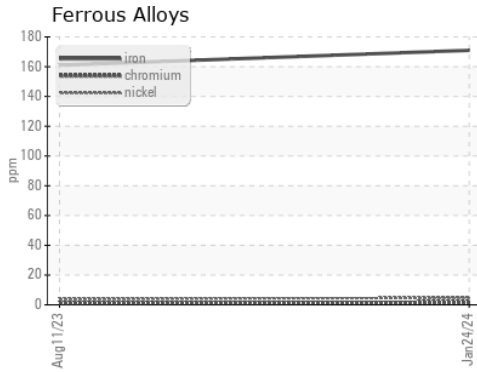
FLUID PROPERTIES

| method | limit/base | current | history1 | history2 |
|-------------|------------------|-------------|----------|----------|
| Visc @ 40°C | cSt ASTM D445 74 | 95.4 | 95.5 | --- |

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. : PCA0110900
Lab Number : 06080259
Unique Number : 10862350
Test Package : FLEET

Received : 05 Feb 2024
Tested : 06 Feb 2024
Diagnosed : 07 Feb 2024 - Don Baldrige

NW WHITE & CO - COLUMBIA 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: