

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
BLUE BIRD 003290

Component
Transmission (Auto)
Fluid
ATF (PAO) (--- 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 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 | | PCA0091668 | --- | --- |
| Sample Date | Client Info | | 07 Dec 2023 | --- | --- |
| Machine Age | mls | Client Info | 85120 | --- | --- |
| Oil Age | mls | Client Info | 85120 | --- | --- |
| Oil Changed | Client Info | | Oil Added | --- | --- |
| Sample Status | | | NORMAL | --- | --- |

CONTAMINATION

| | method | limit/base | current | history1 | history2 |
|-------|-----------|------------|------------|----------|----------|
| Water | WC Method | >0.1 | NEG | --- | --- |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|------------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >160 | 110 | --- | --- |
| Chromium | ppm | ASTM D5185m >5 | <1 | --- | --- |
| Nickel | ppm | ASTM D5185m >5 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | 0 | --- | --- |
| Silver | ppm | ASTM D5185m >5 | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m >50 | 16 | --- | --- |
| Lead | ppm | ASTM D5185m >50 | 44 | --- | --- |
| Copper | ppm | ASTM D5185m >225 | 30 | --- | --- |
| Tin | ppm | ASTM D5185m >10 | <1 | --- | --- |
| Vanadium | ppm | ASTM D5185m | <1 | --- | --- |
| Cadmium | ppm | ASTM D5185m | 0 | --- | --- |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-----------------|------------|----------|----------|
| Boron | ppm | ASTM D5185m 175 | 88 | --- | --- |
| Barium | ppm | ASTM D5185m 5 | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185m 5 | 0 | --- | --- |
| Manganese | ppm | ASTM D5185m | 5 | --- | --- |
| Magnesium | ppm | ASTM D5185m 5 | 0 | --- | --- |
| Calcium | ppm | ASTM D5185m 125 | 26 | --- | --- |
| Phosphorus | ppm | ASTM D5185m 290 | 202 | --- | --- |
| Zinc | ppm | ASTM D5185m 10 | 3 | --- | --- |
| Sulfur | ppm | ASTM D5185m 400 | 310 | --- | --- |

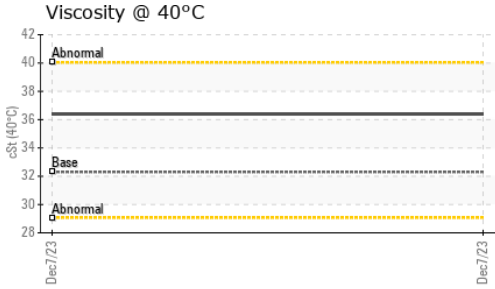
CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|-----------------|----------|----------|----------|
| Silicon | ppm | ASTM D5185m >20 | 5 | --- | --- |
| Sodium | ppm | ASTM D5185m | 9 | --- | --- |
| Potassium | ppm | ASTM D5185m >20 | 5 | --- | --- |

VISUAL

| | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|--------------|----------|----------|
| White Metal | scalar | *Visual NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual NONE | NONE | --- | --- |
| Precipitate | scalar | *Visual NONE | NONE | --- | --- |
| Silt | scalar | *Visual NONE | NONE | --- | --- |
| Debris | scalar | *Visual NONE | NONE | --- | --- |
| Sand/Dirt | scalar | *Visual NONE | NONE | --- | --- |
| Appearance | scalar | *Visual NORML | NORML | --- | --- |
| Odor | scalar | *Visual NORML | NORML | --- | --- |
| Emulsified Water | scalar | *Visual >0.1 | NEG | --- | --- |
| Free Water | scalar | *Visual | NEG | --- | --- |

OIL ANALYSIS REPORT



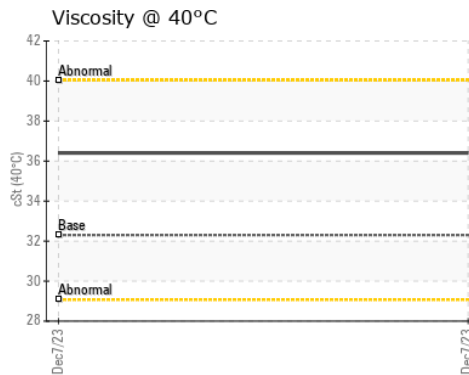
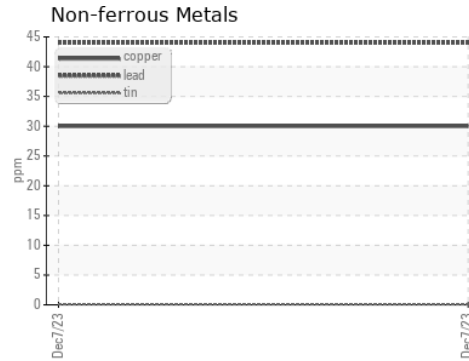
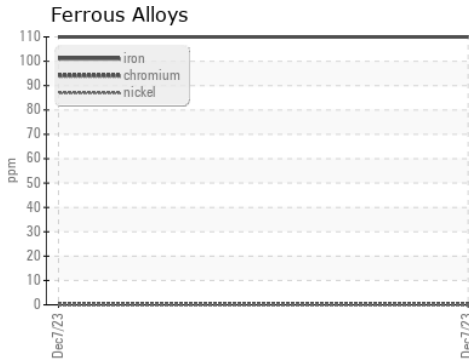
FLUID PROPERTIES

| method | limit/base | current | history1 | history2 | |
|-------------|---------------|---------|-------------|----------|-----|
| Visc @ 40°C | cSt ASTM D445 | 32.3 | 36.4 | --- | --- |

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. : PCA0091668 **Recieved** : 20 Dec 2023
Lab Number : **06040896** **Diagnosed** : 22 Dec 2023
Unique Number : 10796125 **Diagnostician** : Don Baldrige
Test Package : FLEET

ICSB370 - Alton
 4525 North Alby Road
 Godfrey, IL
 US 62035
 Contact: Chad Ingold
 c.ingold@illinois-central.com
 T: (618)466-5400
 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)