

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
5233
 Component
Transmission (Auto)
 Fluid
PETRO CANADA TEF 295 (--- 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 | | | PCA0071441 | --- | --- |
| Sample Date | Client Info | | | 12 Jul 2023 | --- | --- |
| Machine Age | hrs | Client Info | | 102357 | --- | --- |
| Oil Age | hrs | Client Info | | 8817 | --- | --- |
| Oil Changed | Client Info | | | Not Chngd | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |

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

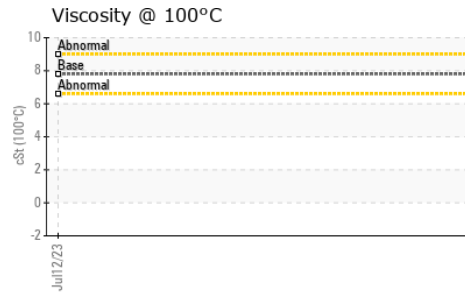
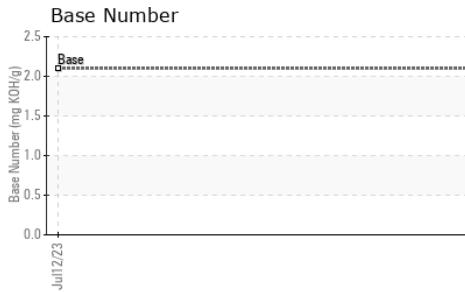
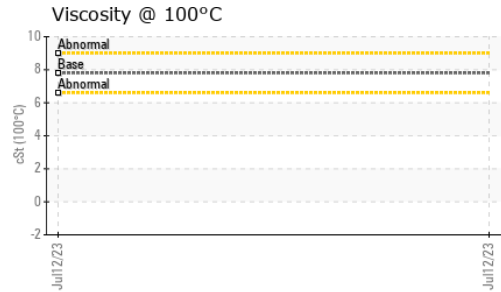
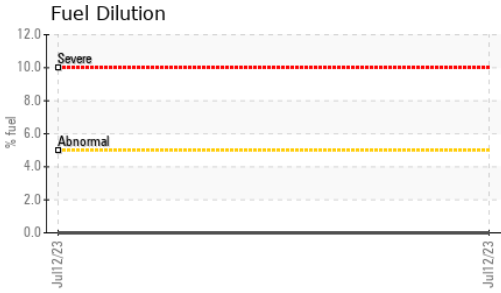
| WEAR METALS | | method | limit/base | current | history1 | history2 |
|-------------|-----|-------------|------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m | >160 | 76 | --- | --- |
| Chromium | ppm | ASTM D5185m | >5 | <1 | --- | --- |
| Nickel | ppm | ASTM D5185m | >5 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | | <1 | --- | --- |
| Silver | ppm | ASTM D5185m | >5 | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >50 | 25 | --- | --- |
| Lead | ppm | ASTM D5185m | >50 | 48 | --- | --- |
| Copper | ppm | ASTM D5185m | >225 | 31 | --- | --- |
| Tin | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| Cadmium | ppm | ASTM D5185m | | 0 | --- | --- |

| ADDITIVES | | method | limit/base | current | history1 | history2 |
|------------|-----|-------------|------------|------------|----------|----------|
| Boron | ppm | ASTM D5185m | 100 | 97 | --- | --- |
| Barium | ppm | ASTM D5185m | | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | | 0 | --- | --- |
| Manganese | ppm | ASTM D5185m | | 4 | --- | --- |
| Magnesium | ppm | ASTM D5185m | | 4 | --- | --- |
| Calcium | ppm | ASTM D5185m | 30 | 38 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 220 | 205 | --- | --- |
| Zinc | ppm | ASTM D5185m | 4 | 2 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 1060 | 207 | --- | --- |

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

| 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 | --- | --- |

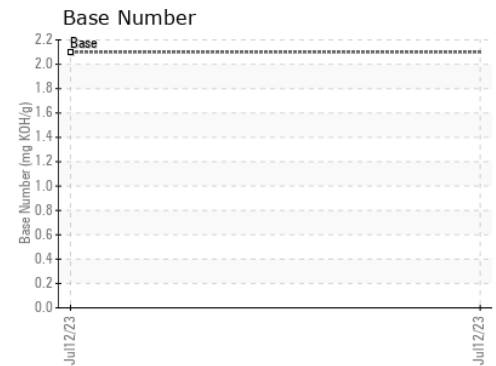
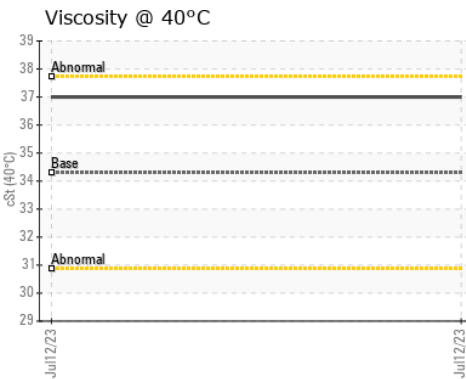
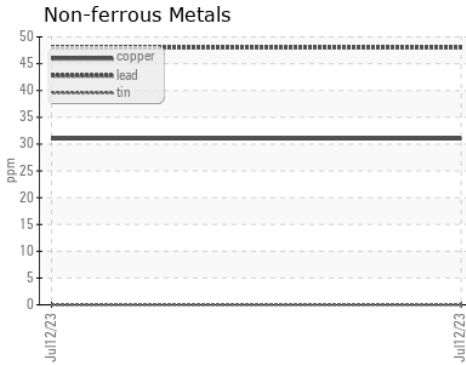
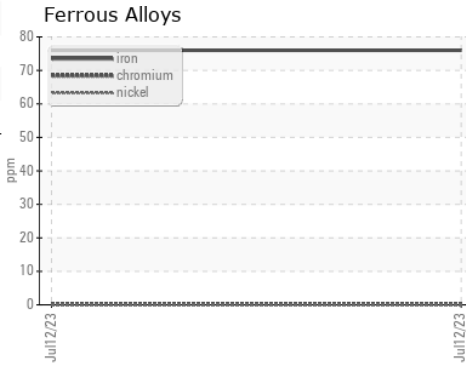
OIL ANALYSIS REPORT



| FLUID PROPERTIES | | method | limit/base | current | history1 | history2 |
|------------------|-----|-----------|------------|--------------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 34.3 | 37.00 | --- | --- |

| 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. : PCA0071441 **Received** : 20 Dec 2023
Lab Number : 06040260 **Diagnosed** : 27 Dec 2023
Unique Number : 10795489 **Diagnostician** : Jonathan Hester
Test Package : FLEET (Additional Tests: FT-IR, FuelDilution, KV100, PercentFuel, TBN)

ICSB370 - Alton
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 US 62035
 Contact: Chad Ingold
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 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)