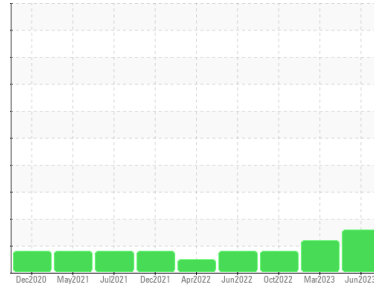


PROBLEM SUMMARY

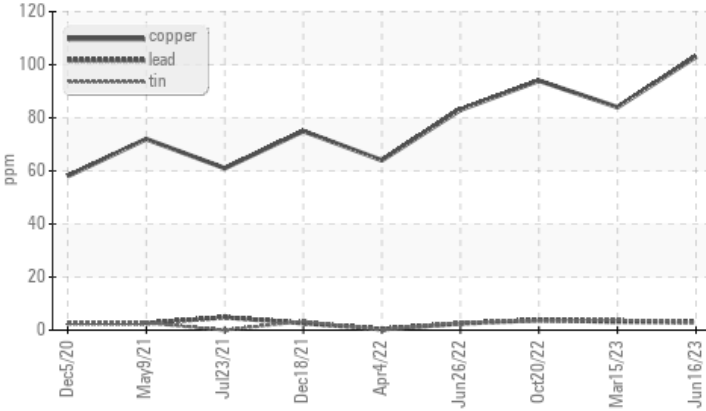
Sample Rating Trend



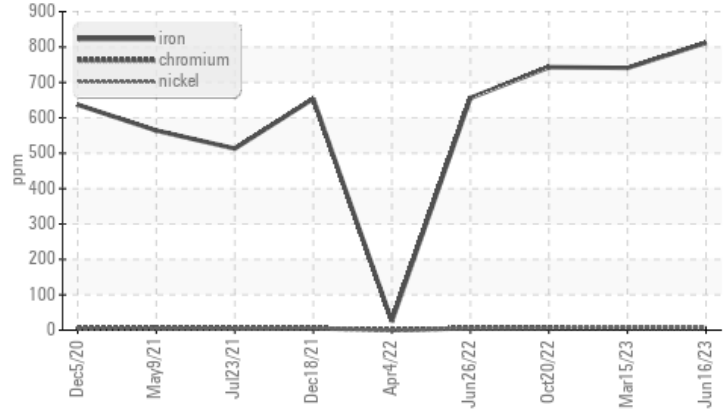
Machine Id
2026870
 Component
Front Differential
 Fluid
PETRO CANADA TRAXON E SYNTHETIC 75W-90 (--- QTS)

COMPONENT CONDITION SUMMARY

▲ Non-ferrous Metals



▲ Ferrous Alloys



RECOMMENDATION

No corrective action is recommended at this time.
 Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

| Sample Status | | ABNORMAL | ABNORMAL | ABNORMAL |
|---------------|----------------------|----------|----------|----------|
| Iron | ppm ASTM D5185m >500 | ▲ 812 | ▲ 741 | ▲ 743 |
| Copper | ppm ASTM D5185m >100 | ▲ 103 | 84 | 94 |

Customer Id: PERGEODE
 Sample No.: PCA0100361
 Lab Number: 05931115
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

15 Mar 2023 Diag: Jonathan Hester

WEAR



We suspect abnormal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

view report



20 Oct 2022 Diag: Sean Felton

WEAR



No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report



26 Jun 2022 Diag: Don Baldrige

WEAR



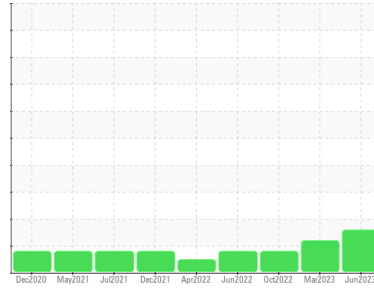
No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
2026870

Component
Front Differential

Fluid
PETRO CANADA TRAXON E SYNTHETIC 75W-90 (--- QTS)

DIAGNOSIS

▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

▲ Wear

Gear wear is indicated. Bearing and/or bushing wear is indicated.

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 | | PCA0100361 | PCA0094898 | PCA0083016 |
| Sample Date | Client Info | | 16 Jun 2023 | 15 Mar 2023 | 20 Oct 2022 |
| Machine Age | mls | Client Info | 308188 | 282020 | 239328 |
| Oil Age | mls | Client Info | 308188 | 0 | 210676 |
| Oil Changed | Client Info | | Not Chngd | Not Chngd | Not Chngd |
| Sample Status | | | ABNORMAL | ABNORMAL | ABNORMAL |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|------------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >500 | ▲ 812 | ▲ 741 | ▲ 743 |
| Chromium | ppm | ASTM D5185m >10 | 7 | 7 | 6 |
| Nickel | ppm | ASTM D5185m >10 | 7 | 7 | 6 |
| Titanium | ppm | ASTM D5185m | <1 | <1 | <1 |
| Silver | ppm | ASTM D5185m | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m >25 | 2 | 5 | 3 |
| Lead | ppm | ASTM D5185m >25 | 3 | 3 | 4 |
| Copper | ppm | ASTM D5185m >100 | ▲ 103 | 84 | 94 |
| Tin | ppm | ASTM D5185m >10 | 3 | 4 | 4 |
| Vanadium | ppm | ASTM D5185m | 0 | <1 | 0 |
| Cadmium | ppm | ASTM D5185m | 0 | <1 | 0 |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-------------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m 229 | 129 | 181 | 219 |
| Barium | ppm | ASTM D5185m <1 | 0 | <1 | 0 |
| Molybdenum | ppm | ASTM D5185m | 1 | 1 | <1 |
| Manganese | ppm | ASTM D5185m | 24 | 21 | 20 |
| Magnesium | ppm | ASTM D5185m <1 | 0 | 5 | 1 |
| Calcium | ppm | ASTM D5185m | 8 | 12 | 10 |
| Phosphorus | ppm | ASTM D5185m 1355 | 1406 | 1400 | 1352 |
| Zinc | ppm | ASTM D5185m | 18 | 14 | 8 |
| Sulfur | ppm | ASTM D5185m 22698 | 26705 | 27918 | 25056 |

CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|-----------------|-----------|----------|----------|
| Silicon | ppm | ASTM D5185m >75 | 55 | 49 | 47 |
| Sodium | ppm | ASTM D5185m | 10 | 11 | 10 |
| Potassium | ppm | ASTM D5185m >20 | 2 | 3 | 0 |

VISUAL

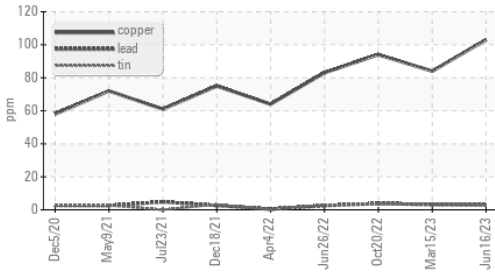
| | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|--------------|----------|----------|
| White Metal | scalar | *Visual NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual NONE | NONE | NONE | NONE |
| Precipitate | scalar | *Visual NONE | NONE | NONE | NONE |
| Silt | scalar | *Visual NONE | MODER | NONE | NONE |
| Debris | scalar | *Visual NONE | NONE | ▲ MODER | 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 >.2 | NEG | NEG | NEG |
| Free Water | scalar | *Visual | NEG | NEG | NEG |

FLUID PROPERTIES

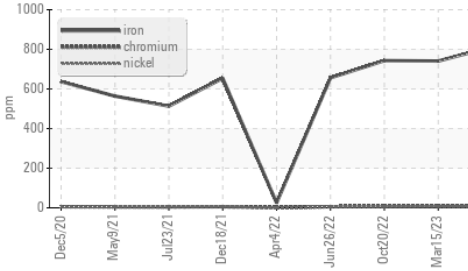
| | method | limit/base | current | history1 | history2 |
|-------------|--------|-----------------|------------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 100.8 | 101 | 107 | 103 |

OIL ANALYSIS REPORT

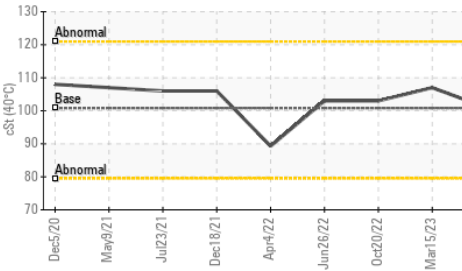
▲ Non-ferrous Metals



▲ Ferrous Alloys



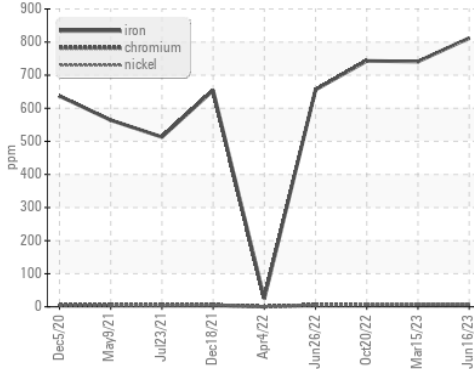
Viscosity @ 40°C



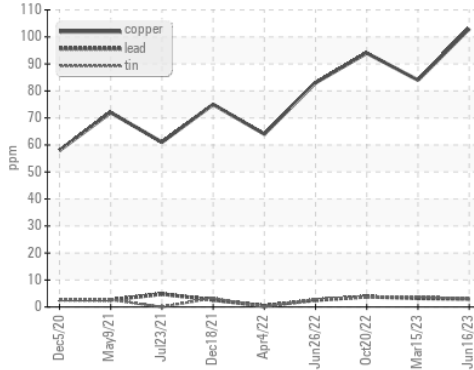
| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|----------|----------|----------|
| Color | | | no image | no image | no image |
| Bottom | | | no image | no image | no image |

GRAPHS

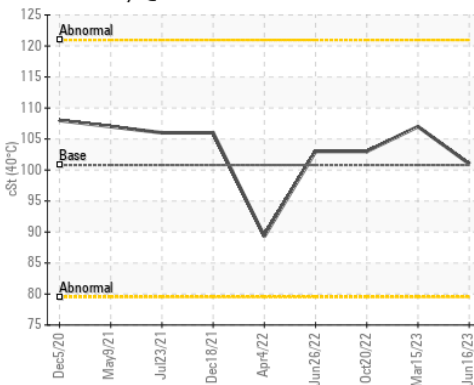
▲ Ferrous Alloys



▲ Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0100361
Lab Number : 05931115
Unique Number : 10616386
Test Package : FLEET

PERDUE FARMS - GEORGETOWN
 20621 SAVANAH RD
 GEORGETOWN, DE
 US 19947
 Contact: ROBERT LOCKWOOD
 Robert.Lockwood@Perdue.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: