

Machine Id
Copperhead Gap 4
Component
Compressor
Fluid
PETRO CANADA TURBOFLO R&O 150 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | PCA0117117 | PCA0117111 | PCA0111946 |
| Sample Date | | Client Info | | 01 Apr 2024 | 01 Mar 2024 | 12 Feb 2024 |
| Machine Age | hrs | Client Info | | 106345 | 105179 | 105179 |
| Oil Age | hrs | Client Info | | 106345 | 105606 | 105179 |
| Filter Age | hrs | Client Info | | 106345 | 105606 | 105179 |
| Oil Changed | | Client Info | | N/A | N/A | Oil Added |
| Filter Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >50 | <1 | 0 | <1 |
| Chromium | ppm | ASTM D5185m | >10 | <1 | 0 | <1 |
| Nickel | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | <1 |
| Silver | ppm | ASTM D5185m | | <1 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >25 | 1 | <1 | <1 |
| Lead | ppm | ASTM D5185m | >25 | 1 | <1 | <1 |
| Copper | ppm | ASTM D5185m | >50 | <1 | 0 | <1 |
| Tin | ppm | ASTM D5185m | >15 | 1 | <1 | <1 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

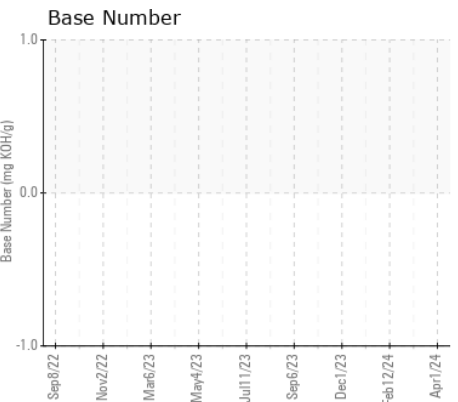
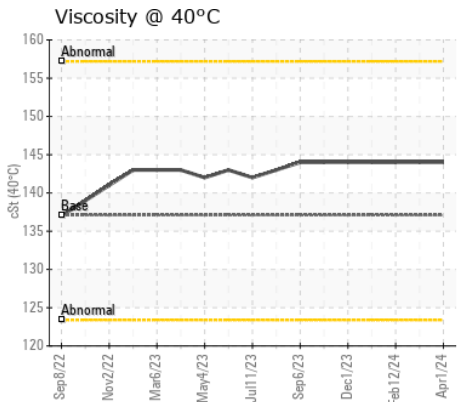
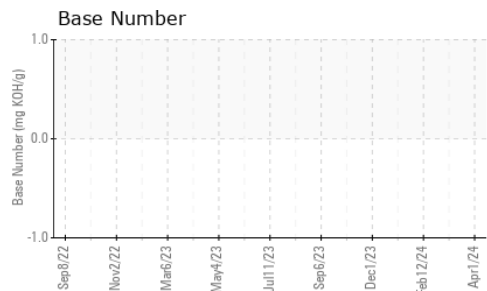
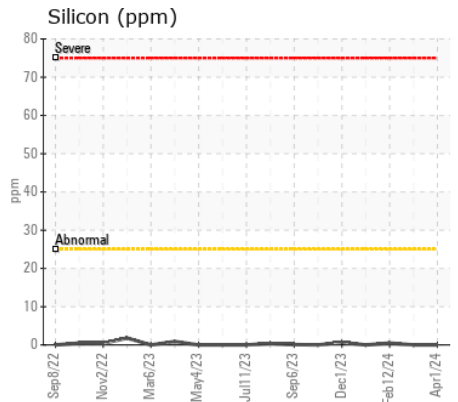
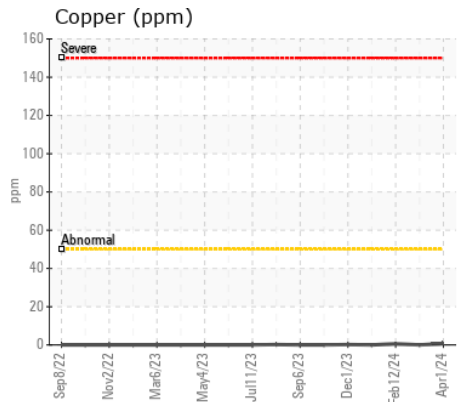
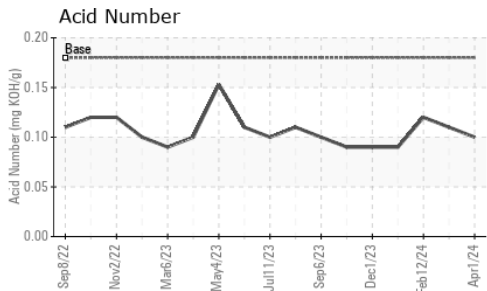
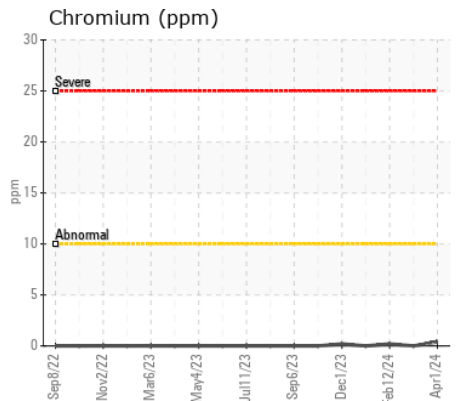
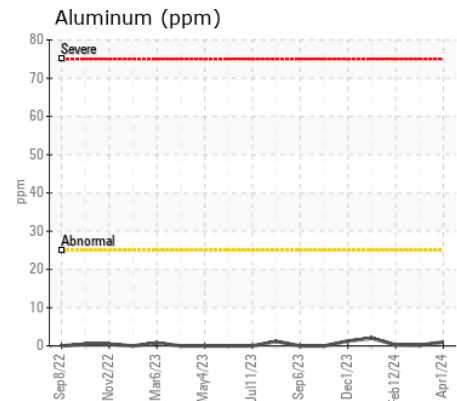
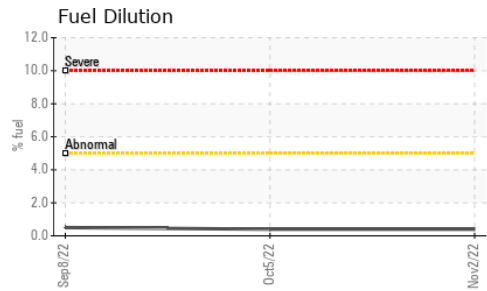
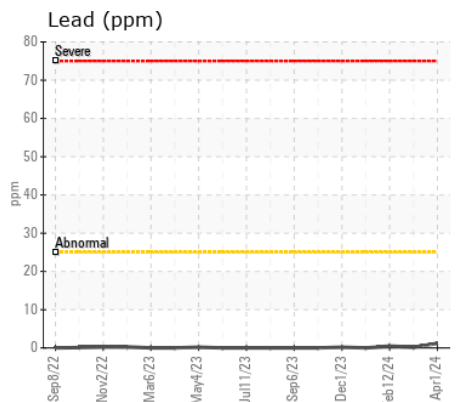
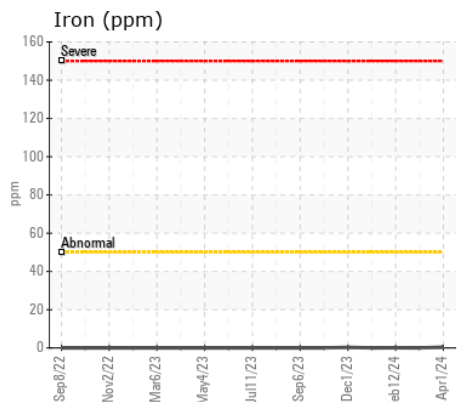
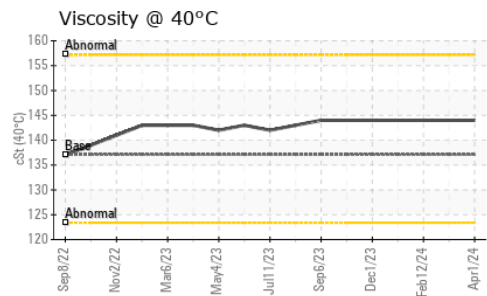
There is no indication of any contamination in the component.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >25 | 0 | 0 | <1 |
| Potassium | ppm | ASTM D5185m | >20 | 1 | 1 | <1 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| 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 |

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| | | | | | | |
|------------------|----------|-------------|-------|--------------|------|------|
| Sodium | ppm | ASTM D5185m | | 0 | 1 | 0 |
| Boron | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 5 |
| Molybdenum | ppm | ASTM D5185m | | 1 | 0 | <1 |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| Calcium | ppm | ASTM D5185m | 0 | 38 | 6 | 3 |
| Phosphorus | ppm | ASTM D5185m | 4 | 18 | 7 | 0 |
| Zinc | ppm | ASTM D5185m | 0 | 10 | 4 | 4 |
| Sulfur | ppm | ASTM D5185m | | 711 | 601 | 571 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.18 | 0.10 | 0.11 | 0.12 |
| Visc @ 40°C | cSt | ASTM D445 | 137.1 | 144 | 144 | 144 |



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0117117 **Received** : 11 Apr 2024
Lab Number : 06146021 **Tested** : 15 Apr 2024
Unique Number : 10976099 **Diagnosed** : 15 Apr 2024 - Don Baldrige
Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel, TBN)

ENERVEST OPERATING - COPPERHEAD GAP
 3681 RABBIT RIDGE
 CLEVELAND, VA
 US 24225
 Contact: Service Manager

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)

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