

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id Or1982 Component Front Left Planetary Fluid PETRO CANADA TRAXON XL SYN BLEND 80W140 (2 LTR)

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.

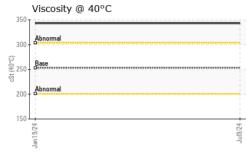
Fluid Condition

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

| SAMPLE INFORM | MATION | method | limit/base | current | history1 | history2 |
|---------------|--------|---------------|------------|-------------|-------------|----------|
| Sample Number | | Client Info | | GFL0124595 | GFL0092285 | |
| Sample Date | | Client Info | | 09 Jul 2024 | 19 Jan 2024 | |
| Machine Age | hrs | Client Info | | 10000 | 9642 | |
| Oil Age | hrs | Client Info | | 10000 | 500 | |
| Oil Changed | | Client Info | | Changed | Not Changd | |
| Sample Status | | | | NORMAL | NORMAL | |
| CONTAMINAT | ON | method | limit/base | current | history1 | history2 |
| Water | | WC Method | >0.2 | NEG | NEG | |
| WEAR METAL | S | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185(m) | >500 | 51 | 53 | |
| Chromium | ppm | ASTM D5185(m) | >10 | <1 | <1 | |
| Nickel | ppm | ASTM D5185(m) | >10 | <1 | <1 | |
| Titanium | ppm | ASTM D5185(m) | | 0 | 0 | |
| Silver | ppm | ASTM D5185(m) | | 0 | 0 | |
| Aluminum | ppm | ASTM D5185(m) | >25 | <1 | <1 | |
| Lead | ppm | ASTM D5185(m) | >25 | 4 | 4 | |
| Copper | ppm | ASTM D5185(m) | >75 | 40 | 36 | |
| Tin | ppm | ASTM D5185(m) | >10 | 5 | 4 | |
| Antimony | ppm | ASTM D5185(m) | >5 | 15 | 15 | |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | |
| Beryllium | ppm | ASTM D5185(m) | | 0 | 0 | |
| Cadmium | ppm | ASTM D5185(m) | | 0 | 0 | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185(m) | 246 | 172 | 176 | |
| Barium | ppm | ASTM D5185(m) | 1 | 0 | 0 | |
| Molybdenum | ppm | ASTM D5185(m) | | 0 | 0 | |
| Manganese | ppm | ASTM D5185(m) | | <1 | 0 | |
| Magnesium | ppm | ASTM D5185(m) | 1 | <1 | 0 | |
| Calcium | ppm | ASTM D5185(m) | 2 | 4 | 3 | |
| Phosphorus | ppm | ASTM D5185(m) | 976 | 959 | 975 | |
| Zinc | ppm | ASTM D5185(m) | 3 | 6 | 5 | |
| Sulfur | ppm | ASTM D5185(m) | 15600 | 16547 | 16670 | |
| Lithium | ppm | ASTM D5185(m) | | <1 | <1 | |
| CONTAMINAN | TS | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185(m) | >75 | 7 | 7 | |
| Sodium | ppm | ASTM D5185(m) | | <1 | <1 | |
| Potassium | ppm | ASTM D5185(m) | >20 | 0 | <1 | |



OIL ANALYSIS REPORT



| | VISUAL | | method | limit/base | current | history1 | history2 |
|------------|--|---------------|---------------|--------------------------|---------------------|----------------------|----------------|
| | White Metal | scalar | Visual* | NONE | LIGHT | 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 | |
| Jul9/24 - | Appearance | scalar | Visual* | NORML | NORML | NORML | |
| ٦٢ | Odor | scalar | Visual* | NORML | NORML | NORML | |
| | Emulsified Water | scalar | Visual* | >0.2 | NEG | NEG | |
| | Free Water | scalar | Visual* | | NEG | NEG | |
| | FLUID PROPE | RTIES | method | limit/base | current | history1 | history2 |
| | Visc @ 40°C | cSt | ASTM D7279(m) | 253.0 | 343 | 343 | |
| | SAMPLE IMAG | GES | method | limit/base | current | history1 | history2 |
| | Color | | | | | | no image |
| | Bottom | | | | | | no image |
| | GRAPHS | | | | | | |
| | Iron (ppm) | | | | Lead (ppm) | | |
| | 2000 Severe | | | 150 | Courses. | | |
| | 1000 - Abnormal | | | E 100 | | | |
| | 0 L | | | (| | | |
| | Jan 19/24 | | | Jul9/24 | Jan 19/24 | | Jul9/24 |
| | Aluminum (ppm) | | | | ∹ Chromium (p | pm) | |
| | 100 Severe | | | 30 | ⁰ Severe | | |
| | § 50 | | | E ²⁰ | Abnormal | | |
| | Abnormal | | | - 10 | 1 | | |
| | Jan 19/24 - | | | Jul9/24 - | Jan 19/24 - | | Jul9/24 - |
| | | | | 7 | | | ت ت |
| | Copper (ppm) | | | 300 | | | |
| | E 100 - Abnormal | | | ²⁰⁰ | 0 - Severe | | |
| | - | | | | • | | |
| | 74 10 14 | | | 724 | | | /24 |
| | Jan 1 9/2 4 | | | Jul9/24 | Jan 19/24 | | Jul9/24 |
| | Viscosity @ 40°C | | | 1500 | Additives | | |
| | S 300 Base | | | | C | | |
| | 300 - Base 정 200 - Posse 정 200 - Posse | | | 트 ¹⁰⁰⁰ 500 | D - zinc | S | |
| | 100 | | | | | | |
| | Jan 19/24 | | | Jul9/24 | Jan 19/24 | | Jul9/24 |
| | ل م | | | - | С Ч | | , |
| Laboratory | : WearCheck - C8-117 | | | | L 5H9 GFL Env | ironmental - 720 - I | |
| Sample No. | : GFL0124595 | Rece Teste | | Jul 2024 | | | Lafleche Road, |
| Lab Number | : 02647417 | | | Jul 2024 Jul 2024 - W | | IVIO | OSE Creek, ON |

: 11 Jul 2024 - Wes Davis

 Test Package
 : MOB 1

 To discuss this sample report, contact Customer Service at 1-800-268-2131.

 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

 Validity of results and interpretation are based on the sample and information as supplied.

Diagnosed

Unique Number : 5812969

Moose Creek, ON CA K0C 1W0 Contact: Charles Bergeron cbergeron@gflenv.com T: (613)538-4853 F: Submitted By: Charles Bergeron

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