



| | |
|-----------------|---------------|
| WEAR | NORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |



Machine Id

EX0358

Component

Rear Left Drive

Fluid

PETRO CANADA TRAXON E SYNTHETIC 80W-140 (5 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | GFL0113347 | GFL0092327 | GFL |
| Sample Date | | Client Info | | 16 May 2024 | 09 Feb 2024 | 28 Jul 2023 |
| Machine Age | hrs | Client Info | | 22386 | 22386 | 22000 |
| Oil Age | hrs | Client Info | | 198 | 22386 | 0 |
| Filter Age | hrs | Client Info | | 198 | 500 | 0 |
| Oil Changed | | Client Info | | Not Changd | Changed | Not Changd |
| Filter Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | ABNORMAL | ABNORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|---------------|------|--------------|-------|-------|
| Iron | ppm | ASTM D5185(m) | >500 | 81 | 295 | 256 |
| Chromium | ppm | ASTM D5185(m) | >10 | <1 | 3 | 3 |
| Nickel | ppm | ASTM D5185(m) | >5 | 0 | <1 | <1 |
| Titanium | ppm | ASTM D5185(m) | | 0 | <1 | <1 |
| Silver | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185(m) | >10 | 3 | 19 | 18 |
| Lead | ppm | ASTM D5185(m) | >10 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185(m) | >25 | <1 | <1 | <1 |
| Tin | ppm | ASTM D5185(m) | >5 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| White Metal | scalar | Visual* | NONE | NONE | VLITE | VLITE |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE | NONE |

CONTAMINATION

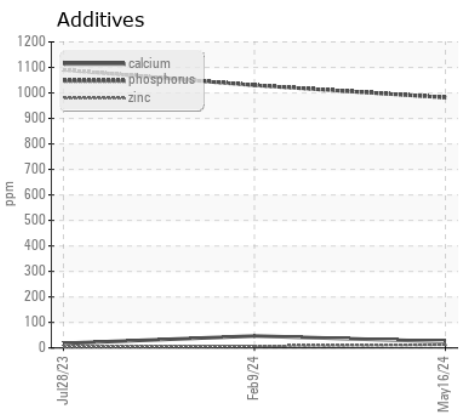
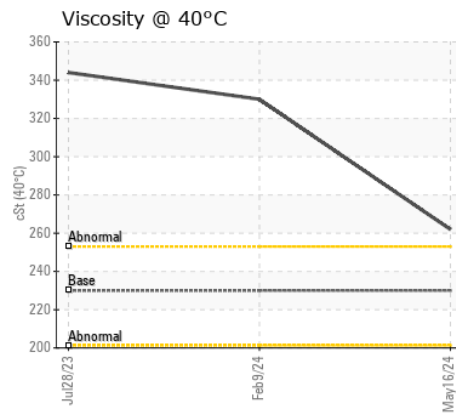
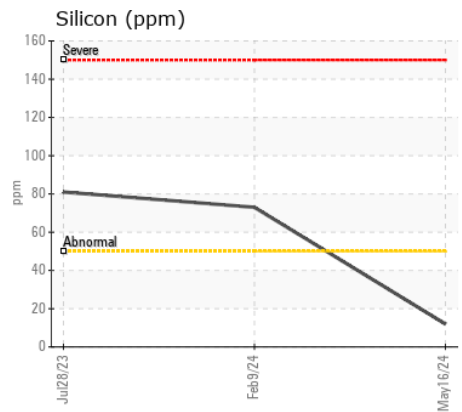
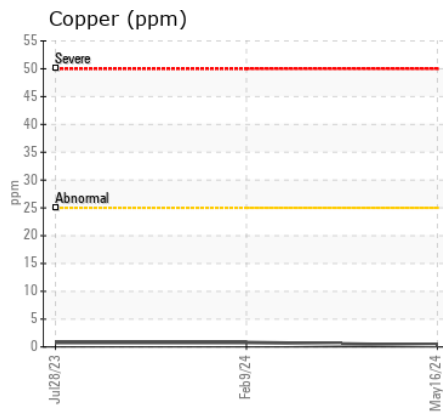
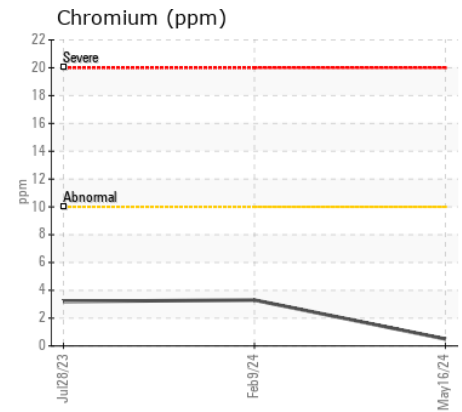
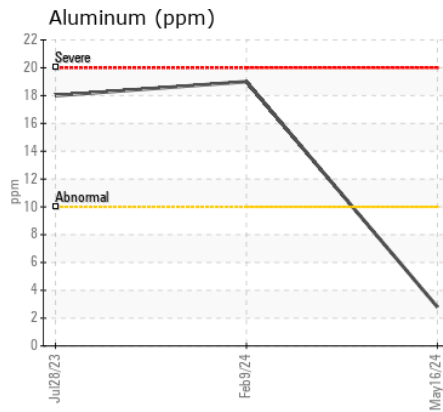
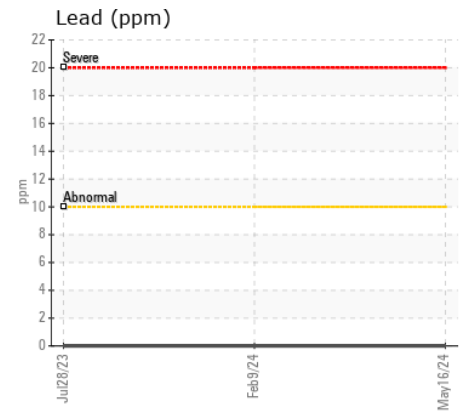
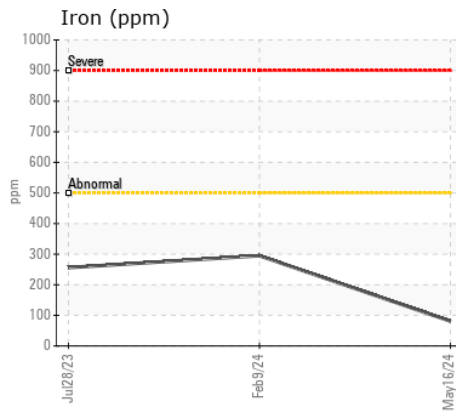
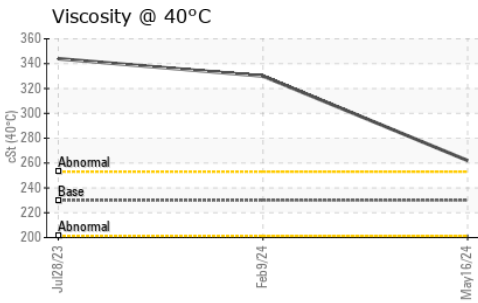
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|---------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185(m) | >50 | 12 | 73 | 81 |
| Potassium | ppm | ASTM D5185(m) | >20 | 1 | 8 | 6 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Silt | scalar | Visual* | NONE | NONE | NONE | VLITE |
| 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* | >0.2 | NEG | ▲ .5% | NEG |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|---------------|-------|--------------|-------|-------|
| Sodium | ppm | ASTM D5185(m) | | 1 | 5 | 4 |
| Boron | ppm | ASTM D5185(m) | 202 | 222 | 175 | 177 |
| Barium | ppm | ASTM D5185(m) | <1 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185(m) | | <1 | 2 | 2 |
| Magnesium | ppm | ASTM D5185(m) | <1 | 2 | 5 | 4 |
| Calcium | ppm | ASTM D5185(m) | | 25 | 47 | 18 |
| Phosphorus | ppm | ASTM D5185(m) | 1209 | 982 | 1030 | 1090 |
| Zinc | ppm | ASTM D5185(m) | 1 | 12 | 7 | 4 |
| Sulfur | ppm | ASTM D5185(m) | 20439 | 15674 | 17357 | 16136 |
| Visc @ 40°C | cSt | ASTM D7279(m) | 230 | 262 | 330 | ▲ 344 |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0113347
Lab Number : 02636971
Unique Number : 5786133
Test Package : MOB 1
Received : 22 May 2024
Tested : 22 May 2024
Diagnosed : 22 May 2024 - Wes Davis

GFL Environmental - 720 - Lafleche - Landfill
 17125 Lafleche Road,
 Moose Creek, ON
 CA K0C 1W0
 Contact: Charles Bergeron
 cbergeron@gflenv.com
 T: (613)538-4853
 F:

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.