



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

Machine Id
4533
 Component
Transmission (Auto)
 Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | GFL0117282 | GFL0057779 | GFL0052608 |
| Sample Date | | Client Info | | 04 Jun 2024 | 05 Aug 2022 | 14 Jun 2022 |
| Machine Age | kms | Client Info | | 243280 | 211233 | 206261 |
| Oil Age | kms | Client Info | | 0 | 4077 | 0 |
| Filter Age | kms | Client Info | | 0 | 4077 | 0 |
| Oil Changed | | Client Info | | N/A | Changed | N/A |
| Filter Changed | | Client Info | | Changed | Changed | Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|---------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185(m) | >230 | 48 | 32 | 29 |
| Chromium | ppm | ASTM D5185(m) | >2 | 0 | 0 | 0 |
| Nickel | ppm | ASTM D5185(m) | >5 | 0 | 0 | <1 |
| Titanium | ppm | ASTM D5185(m) | >2 | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185(m) | >5 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185(m) | >65 | 12 | 8 | 7 |
| Lead | ppm | ASTM D5185(m) | >55 | 2 | 3 | 3 |
| Copper | ppm | ASTM D5185(m) | >85 | 9 | 8 | 7 |
| Tin | ppm | ASTM D5185(m) | >5 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| White Metal | scalar | Visual* | NONE | VLITE | NONE | NONE |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE | NONE |

CONTAMINATION

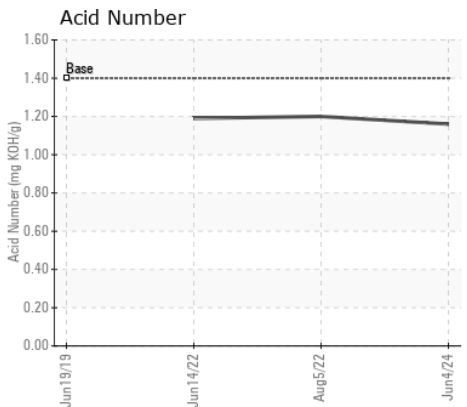
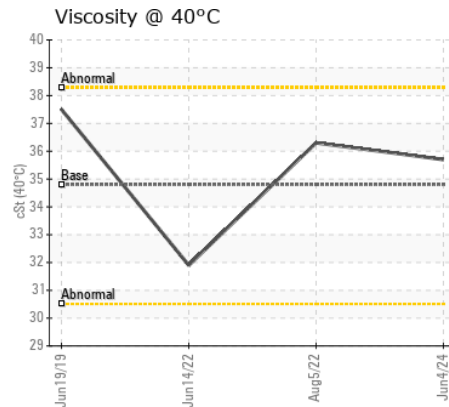
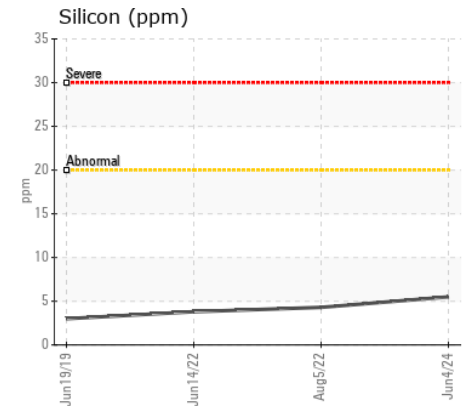
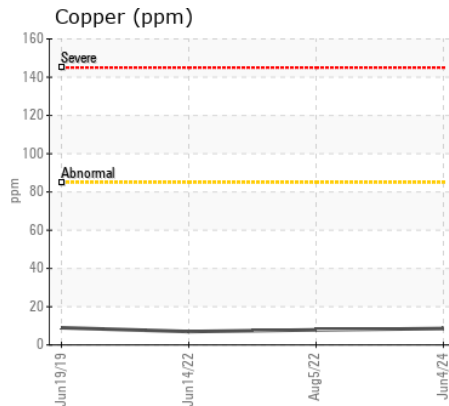
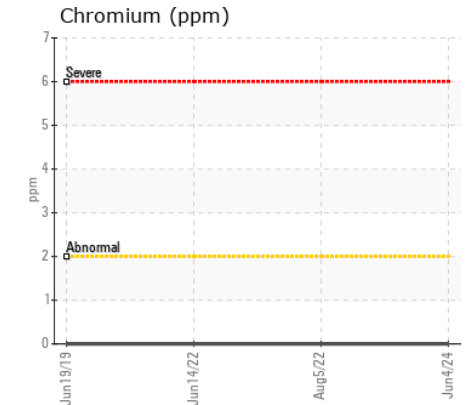
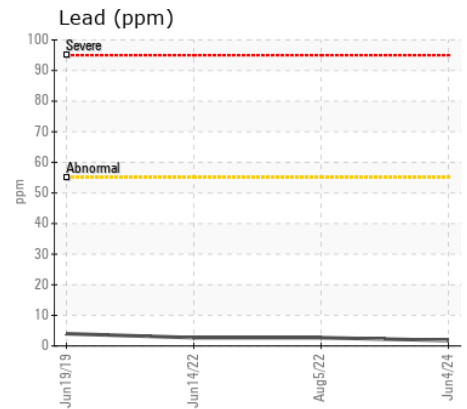
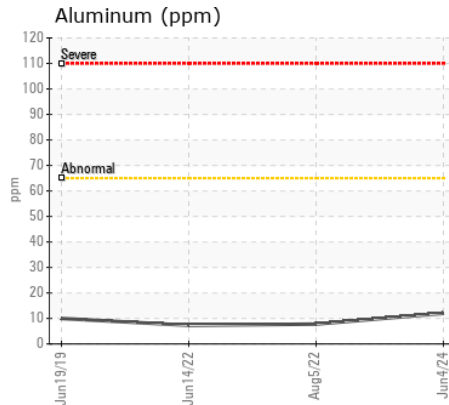
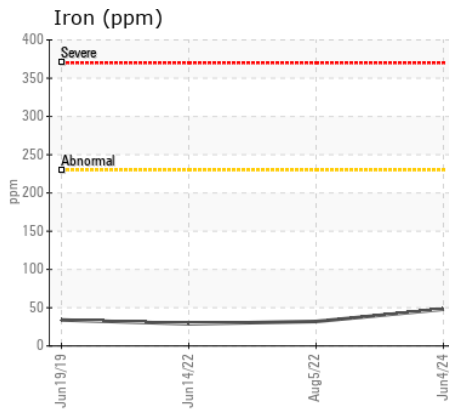
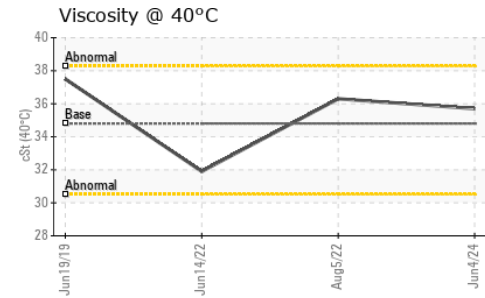
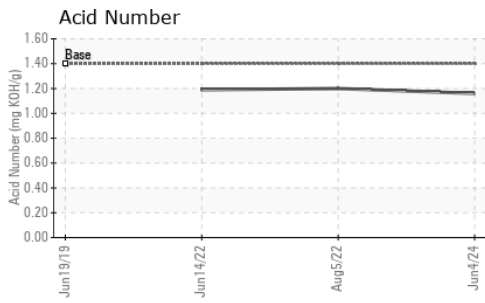
There is no indication of any contamination in the fluid.

| | | | | | | |
|------------------|--------|---------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185(m) | >20 | 6 | 4 | 4 |
| Potassium | ppm | ASTM D5185(m) | >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 | VLITE |
| Sand/Dirt | scalar | Visual* | NONE | VLITE | VLITE | 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 fluid is suitable for further service.

| | | | | | | |
|------------------|----------|---------------|------|--------------|------|------|
| Sodium | ppm | ASTM D5185(m) | | 3 | 3 | 2 |
| Boron | ppm | ASTM D5185(m) | 78 | 99 | 121 | 123 |
| Barium | ppm | ASTM D5185(m) | | <1 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185(m) | 0 | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185(m) | | 1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185(m) | 0 | 1 | <1 | <1 |
| Calcium | ppm | ASTM D5185(m) | 113 | 64 | 43 | 38 |
| Phosphorus | ppm | ASTM D5185(m) | 222 | 246 | 272 | 273 |
| Zinc | ppm | ASTM D5185(m) | | 10 | 10 | 7 |
| Sulfur | ppm | ASTM D5185(m) | 1326 | 619 | 367 | 347 |
| Acid Number (AN) | mg KOH/g | ASTM D974* | 1.4 | 1.16 | 1.20 | 1.19 |
| Visc @ 40°C | cSt | ASTM D7279(m) | 34.8 | 35.7 | 36.3 | 31.9 |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0117282 **Received** : 11 Jun 2024
Lab Number : 02641190 **Tested** : 11 Jun 2024
Unique Number : 5798729 **Diagnosed** : 11 Jun 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: TAN Man)

GFL Environmental - 550 - Rocky View County
 220 Carmek Blvd
 Rocky View County, AB
 CA T1X 1X1
 Contact: GFL Calgary
 calgarymaintenance@gflenv.com

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.

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