



|                 |               |
|-----------------|---------------|
| WEAR            | <b>NORMAL</b> |
| CONTAMINATION   | <b>NORMAL</b> |
| FLUID CONDITION | <b>NORMAL</b> |

Machine Id  
**819016**

Component  
**1 Differential**

Fluid  
**PETRO CANADA TRAXON SYNTHETIC 75W90 (--- GAL)**

**RECOMMENDATION**

Confirm the source of the lubricant being utilized for top-up/fill.  
Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Veuillez préciser la marque et le modèle du composant lors du prochain échantillon.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number  |     | Client Info |           | <b>GFL0061260</b>  | GFL0089701  | GFL0078348  |
| Sample Date    |     | Client Info |           | <b>15 Jan 2024</b> | 06 Oct 2023 | 27 Jun 2023 |
| Machine Age    | hrs | Client Info |           | <b>5114</b>        | 5104        | 4509        |
| Oil Age        | hrs | Client Info |           | <b>5114</b>        | 5104        | 4509        |
| Filter Age     | hrs | Client Info |           | <b>5114</b>        | 5104        | 4509        |
| Oil Changed    |     | Client Info |           | <b>N/A</b>         | N/A         | N/A         |
| Filter Changed |     | Client Info |           | <b>N/A</b>         | N/A         | N/A         |
| Sample Status  |     |             |           | <b>NORMAL</b>      | NORMAL      | NORMAL      |

**WEAR**

Les taux d'usure de tous les composants sont normaux.

|              |        |               |      |              |      |      |
|--------------|--------|---------------|------|--------------|------|------|
| PQ           |        | ASTM D8184*   |      | <b>5</b>     | 15   | ---  |
| Iron         | ppm    | ASTM D5185(m) | >500 | <b>517</b>   | 508  | 469  |
| Chromium     | ppm    | ASTM D5185(m) | >10  | <b>3</b>     | 2    | 2    |
| Nickel       | ppm    | ASTM D5185(m) | >10  | <b>&lt;1</b> | <1   | <1   |
| Titanium     | ppm    | ASTM D5185(m) |      | <b>0</b>     | 0    | <1   |
| Silver       | ppm    | ASTM D5185(m) |      | <b>0</b>     | <1   | 0    |
| Aluminum     | ppm    | ASTM D5185(m) | >25  | <b>3</b>     | 3    | 3    |
| Lead         | ppm    | ASTM D5185(m) | >25  | <b>0</b>     | <1   | 0    |
| Copper       | ppm    | ASTM D5185(m) | >100 | <b>5</b>     | 5    | 5    |
| Tin          | ppm    | ASTM D5185(m) | >10  | <b>&lt;1</b> | 0    | <1   |
| Vanadium     | ppm    | ASTM D5185(m) |      | <b>0</b>     | 0    | 0    |
| White Metal  | scalar | Visual*       | NONE | <b>NONE</b>  | NONE | NONE |
| Yellow Metal | scalar | Visual*       | NONE | <b>NONE</b>  | NONE | NONE |

**CONTAMINATION**

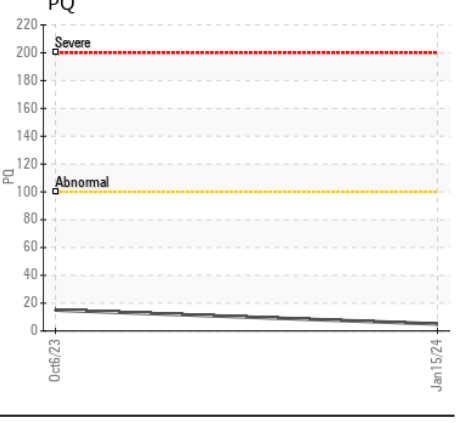
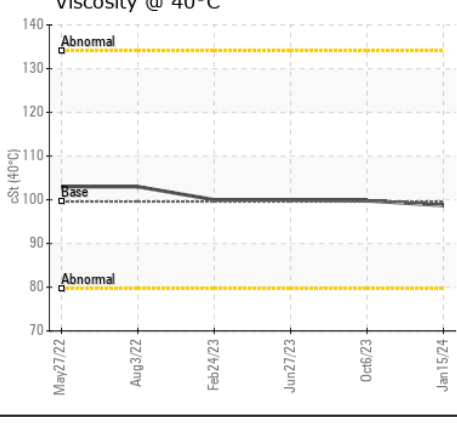
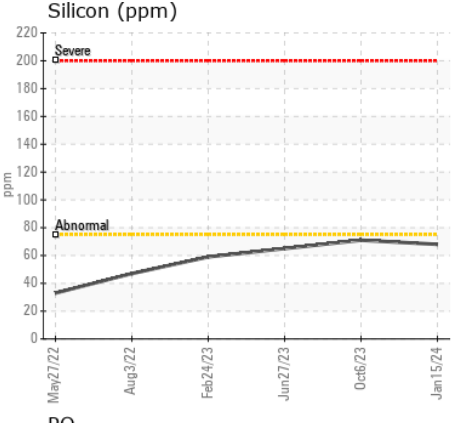
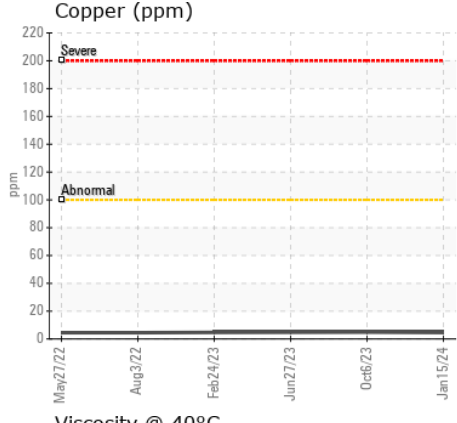
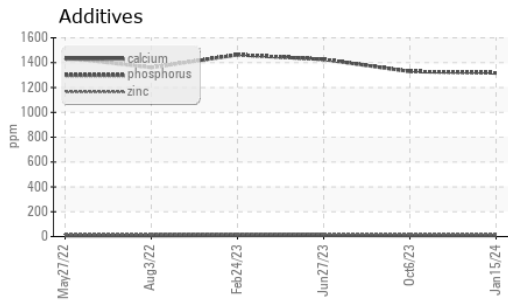
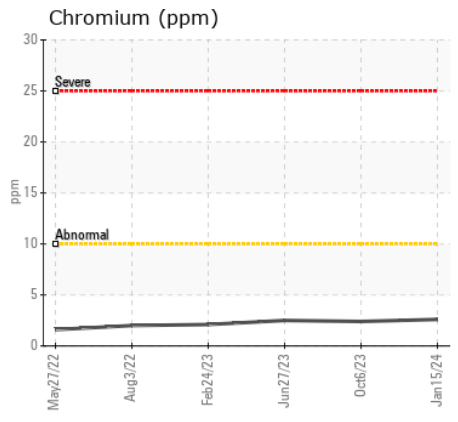
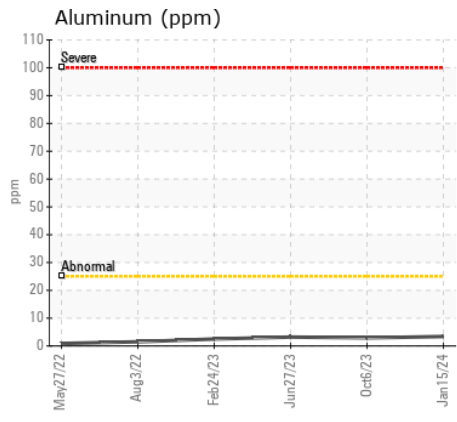
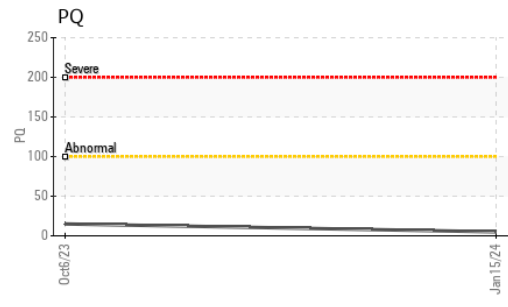
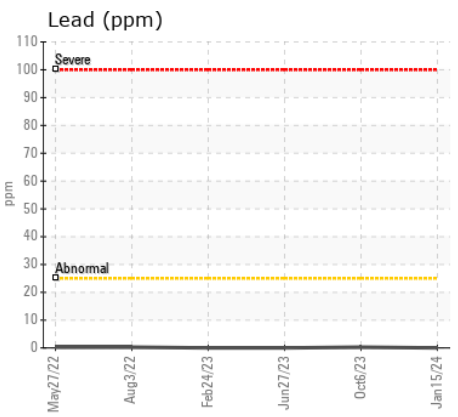
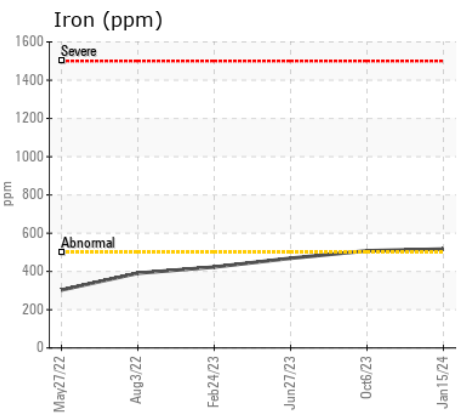
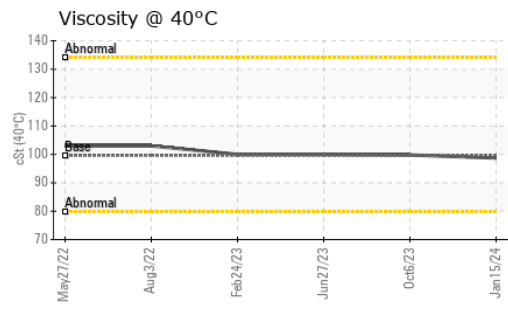
Il n'y a aucun indice de contamination dans l'huile.

|                  |        |               |       |              |       |       |
|------------------|--------|---------------|-------|--------------|-------|-------|
| Silicon          | ppm    | ASTM D5185(m) | >75   | <b>68</b>    | 71    | 65    |
| Potassium        | ppm    | ASTM D5185(m) | >20   | <b>2</b>     | 1     | 1     |
| Water            |        | WC Method     | >.2   | <b>NEG</b>   | NEG   | NEG   |
| Silt             | scalar | Visual*       | NONE  | <b>NONE</b>  | NONE  | NONE  |
| Debris           | scalar | Visual*       | NONE  | <b>VLITE</b> | NONE  | NONE  |
| Sand/Dirt        | scalar | Visual*       | NONE  | <b>NONE</b>  | VLITE | NONE  |
| Appearance       | scalar | Visual*       | NORML | <b>NORML</b> | NORML | NORML |
| Odor             | scalar | Visual*       | NORML | <b>NORML</b> | NORML | NORML |
| Emulsified Water | scalar | Visual*       | >.2   | <b>NEG</b>   | NEG   | NEG   |

**FLUID CONDITION**

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'état de l'huile est acceptable pour la durée de service.

|             |     |               |       |              |       |       |
|-------------|-----|---------------|-------|--------------|-------|-------|
| Sodium      | ppm | ASTM D5185(m) |       | <b>9</b>     | 10    | 10    |
| Boron       | ppm | ASTM D5185(m) | 328   | <b>187</b>   | 205   | 225   |
| Barium      | ppm | ASTM D5185(m) | 1     | <b>2</b>     | 3     | 3     |
| Molybdenum  | ppm | ASTM D5185(m) |       | <b>0</b>     | 0     | <1    |
| Manganese   | ppm | ASTM D5185(m) |       | <b>22</b>    | 22    | 21    |
| Magnesium   | ppm | ASTM D5185(m) | 1     | <b>3</b>     | 2     | 3     |
| Calcium     | ppm | ASTM D5185(m) | 7     | <b>8</b>     | 8     | 9     |
| Phosphorus  | ppm | ASTM D5185(m) | 1145  | <b>1317</b>  | 1329  | 1426  |
| Zinc        | ppm | ASTM D5185(m) | 3     | <b>19</b>    | 20    | 21    |
| Sulfur      | ppm | ASTM D5185(m) | 17909 | <b>20006</b> | 20172 | 20544 |
| Visc @ 40°C | cSt | ASTM D7279(m) | 99.6  | <b>98.7</b>  | 99.8  | 100   |



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 732 - Beauce - Hauling - Solid Waste  
**Sample No.** : GFL0061260 **Received** : 18 Jan 2024  
**Lab Number** : 02609740 **Diagnosed** : 18 Jan 2024  
**Unique Number** : 5710826 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: PQ )

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.