



|                |               |
|----------------|---------------|
| USURE          | <b>NORMAL</b> |
| CONTAMINATION  | <b>NORMAL</b> |
| ÉTAT DU FLUIDE | <b>NORMAL</b> |

Identité de la machine

**7230**

Composant

**Moteur diesel**

Fluide

**PETRO CANADA 10W30 (--- GAL)**

**RECOMMANDATION**

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

| Test                | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|---------------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Numéro d'échant.    |     | Client Info |           | <b>PC0081914</b>   | PC0075493   | PC0075439   |
| Date d'échant.      |     | Client Info |           | <b>11 Dec 2023</b> | 23 Aug 2023 | 01 Jun 2023 |
| Âge d la Machine    | kms | Client Info |           | <b>145978</b>      | 140168      | 136476      |
| Âge de l'huile      | kms | Client Info |           | <b>0</b>           | 0           | 0           |
| Âge du filtre       | kms | Client Info |           | <b>0</b>           | 0           | 0           |
| Huile changée       |     | Client Info |           | <b>Changed</b>     | Changed     | Changed     |
| Filtre changé       |     | Client Info |           | <b>Changed</b>     | Changed     | Changed     |
| Statut de l'échant. |     |             |           | <b>NORMAL</b>      | NORMAL      | NORMAL      |

**USURE**

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

|           |     |               |      |              |    |    |
|-----------|-----|---------------|------|--------------|----|----|
| Fer       | ppm | ASTM D5185(m) | >100 | <b>30</b>    | 18 | 20 |
| Chrome    | ppm | ASTM D5185(m) | >20  | <b>&lt;1</b> | <1 | <1 |
| Nickel    | ppm | ASTM D5185(m) | >4   | <b>&lt;1</b> | 0  | 0  |
| Titane    | ppm | ASTM D5185(m) |      | <b>0</b>     | 0  | 0  |
| Argent    | ppm | ASTM D5185(m) | >3   | <b>&lt;1</b> | 0  | 0  |
| Aluminium | ppm | ASTM D5185(m) | >20  | <b>6</b>     | 3  | 5  |
| Plomb     | ppm | ASTM D5185(m) | >40  | <b>&lt;1</b> | 0  | 0  |
| Cuivre    | ppm | ASTM D5185(m) | >330 | <b>&lt;1</b> | <1 | <1 |
| Étain     | ppm | ASTM D5185(m) | >15  | <b>0</b>     | 0  | 0  |
| Vanadium  | ppm | ASTM D5185(m) |      | <b>0</b>     | 0  | 0  |

**CONTAMINATION**

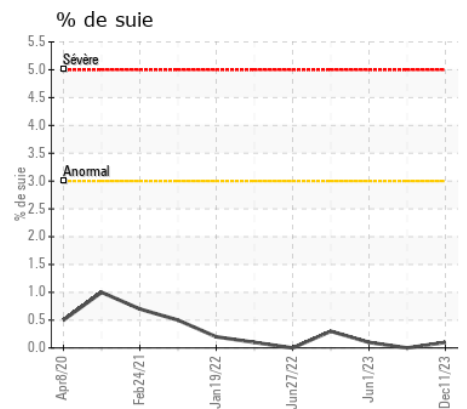
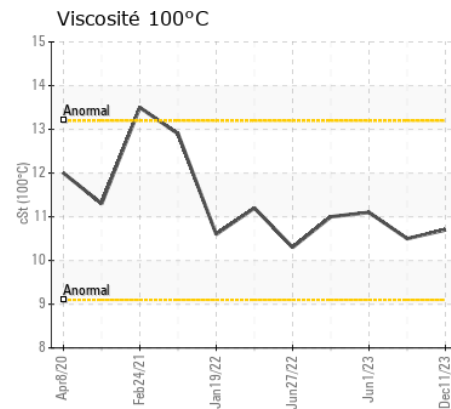
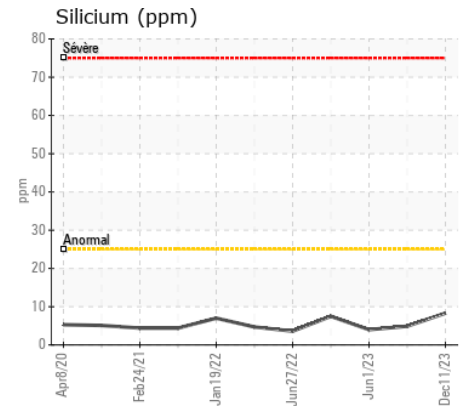
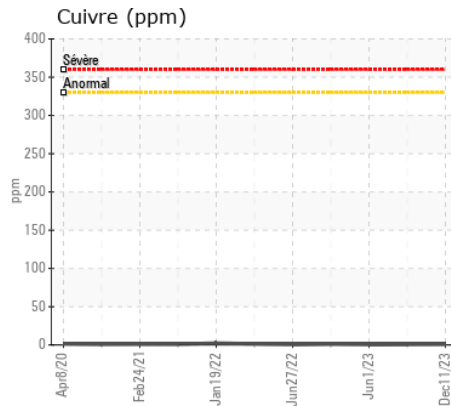
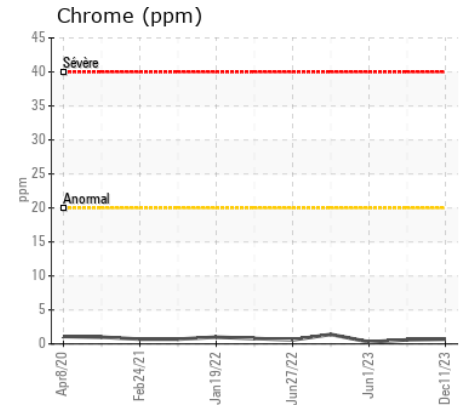
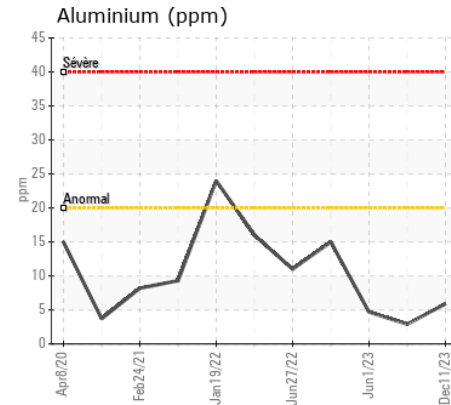
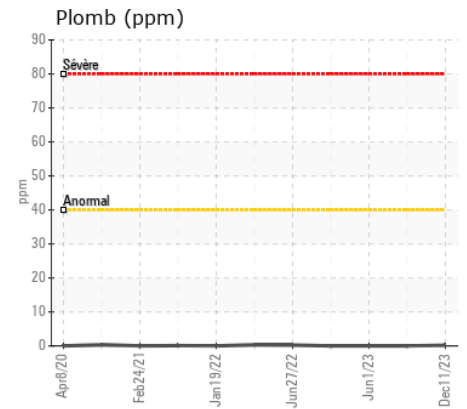
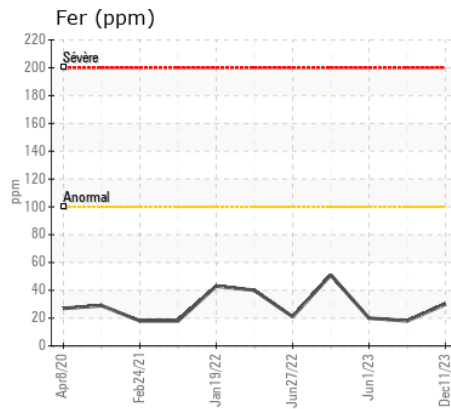
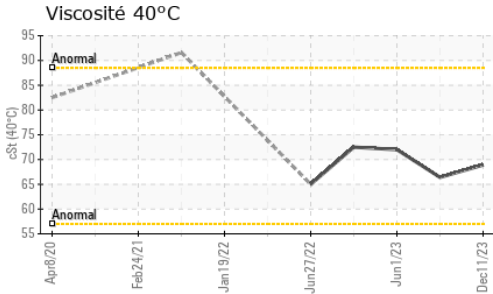
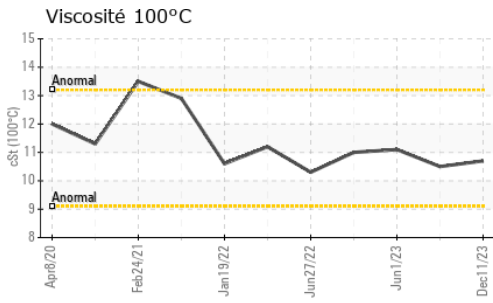
Il n'y a aucun indice de contamination dans l'huile.

|                |          |               |      |                |      |      |
|----------------|----------|---------------|------|----------------|------|------|
| Silicium       | ppm      | ASTM D5185(m) | >25  | <b>8</b>       | 5    | 4    |
| Potassium      | ppm      | ASTM D5185(m) | >20  | <b>1</b>       | 2    | 2    |
| Essence        |          | WC Method     | >5   | <b>&lt;1.0</b> | <1.0 | <1.0 |
| L'eau          |          | WC Method     | >0.2 | <b>NEG</b>     | NEG  | NEG  |
| Glycol         |          | WC Method     |      | <b>NEG</b>     | NEG  | NEG  |
| % de suie      | %        | ASTM D7844*   | >3   | <b>0.1</b>     | 0    | 0.1  |
| Nitration      | Abs/cm   | ASTM D7624*   | >20  | <b>8.7</b>     | 7.7  | 7.6  |
| Sulfatation    | Abs/.1mm | ASTM D7415*   | >30  | <b>19.3</b>    | 20.6 | 19.1 |
| Eau émulsifiée | scalar   | Visual*       | >0.2 | <b>NEG</b>     | NEG  | NEG  |

**ÉTAT DU FLUIDE**

L'état de l'huile est acceptable pour la durée de service.

|                          |          |               |     |              |      |      |
|--------------------------|----------|---------------|-----|--------------|------|------|
| Sodium                   | ppm      | ASTM D5185(m) |     | <b>3</b>     | 2    | 2    |
| Bore                     | ppm      | ASTM D5185(m) |     | <b>6</b>     | 7    | 6    |
| Baryum                   | ppm      | ASTM D5185(m) |     | <b>&lt;1</b> | 0    | 0    |
| Molybdène                | ppm      | ASTM D5185(m) |     | <b>60</b>    | 56   | 59   |
| Manganèse                | ppm      | ASTM D5185(m) |     | <b>0</b>     | <1   | <1   |
| Magnésium                | ppm      | ASTM D5185(m) |     | <b>960</b>   | 917  | 951  |
| Calcium                  | ppm      | ASTM D5185(m) |     | <b>1050</b>  | 1024 | 1107 |
| Phosphore                | ppm      | ASTM D5185(m) |     | <b>959</b>   | 1018 | 1074 |
| Zinc                     | ppm      | ASTM D5185(m) |     | <b>1177</b>  | 1157 | 1191 |
| Soufre                   | ppm      | ASTM D5185(m) |     | <b>2367</b>  | 2433 | 2563 |
| Oxydation                | Abs/.1mm | ASTM D7414*   | >25 | <b>16.7</b>  | 15.6 | 15.3 |
| Visc 40°C                | cSt      | ASTM D7279(m) |     | <b>68.9</b>  | 66.4 | 72.0 |
| Visc 100°C               | cSt      | ASTM D7279(m) |     | <b>10.7</b>  | 10.5 | 11.1 |
| Indice de viscosité (VI) | Scale    | ASTM D2270*   |     | <b>144</b>   | 146  | 145  |



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 737 - Quebec City Hauling  
**N° d'échantillon** : PC0081914 **Reçu** : 13 Dec 2023  
**N° de laboratoire** : 02602789 **Diagnostiqué** : 13 Dec 2023  
**Numéro unique** : 5695874 **Diagnostiqueur** : Wes Davis  
**Analyse** : MOB 1 ( Additional Tests: KV40, VI )

Pour discuter ce rapport, contacter le service à la clientèle au 1-800-268-2131.

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

La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada.

6205 Boul. Wilfrid Hamel,  
Quebec City, QC  
CA G2E 5G8  
Contact: Dave Beaulieu  
davebeaulieu@matrec.ca

T:  
F: