



Identité de la machine

**FREIGHTLINER 4192**

Composant

**Moteur diesel**

Fluid

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

**RECOMMANDATION**

Aucune mesure corrective n'est recommandée pour l'instant. 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.

| Test                | UOM | Method      | Limit/Abn | Current            | History1 | History2 |
|---------------------|-----|-------------|-----------|--------------------|----------|----------|
| Numéro d'échant.    |     | Client Info |           | <b>PC0083901</b>   | ---      | ---      |
| Date d'échant.      |     | Client Info |           | <b>29 Nov 2023</b> | ---      | ---      |
| Âge d la Machine    | kms | Client Info |           | <b>34860</b>       | ---      | ---      |
| Âge de l'huile      | kms | Client Info |           | <b>34860</b>       | ---      | ---      |
| Âge du filtre       | kms | Client Info |           | <b>34860</b>       | ---      | ---      |
| Huile changée       |     | Client Info |           | <b>Changed</b>     | ---      | ---      |
| Filtre changé       |     | Client Info |           | <b>Changed</b>     | ---      | ---      |
| Statut de l'échant. |     |             |           | <b>NORMAL</b>      | ---      | ---      |

**USURE**

Les taux de métaux sont typiques d'une première vidange.

|             |        |               |      |              |     |     |
|-------------|--------|---------------|------|--------------|-----|-----|
| Fer         | ppm    | ASTM D5185(m) | >80  | <b>46</b>    | --- | --- |
| Chrome      | ppm    | ASTM D5185(m) | >5   | <b>2</b>     | --- | --- |
| Nickel      | ppm    | ASTM D5185(m) | >2   | <b>1</b>     | --- | --- |
| Titane      | ppm    | ASTM D5185(m) |      | <b>0</b>     | --- | --- |
| Argent      | ppm    | ASTM D5185(m) | >3   | <b>&lt;1</b> | --- | --- |
| Aluminium   | ppm    | ASTM D5185(m) | >30  | <b>13</b>    | --- | --- |
| Plomb       | ppm    | ASTM D5185(m) | >30  | <b>8</b>     | --- | --- |
| Cuivre      | ppm    | ASTM D5185(m) | >150 | <b>359</b>   | --- | --- |
| Étain       | ppm    | ASTM D5185(m) | >5   | <b>7</b>     | --- | --- |
| Vanadium    | ppm    | ASTM D5185(m) |      | <b>0</b>     | --- | --- |
| Métal blanc | scalar | Visual*       | NONE | <b>LIGHT</b> | --- | --- |
| Bronze      | scalar | Visual*       | NONE | <b>NONE</b>  | --- | --- |

**CONTAMINATION**

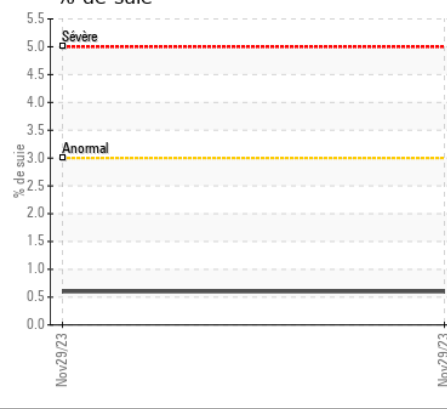
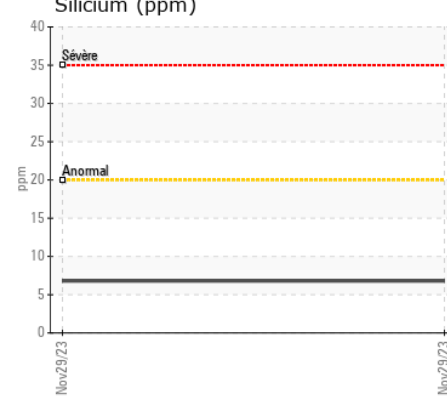
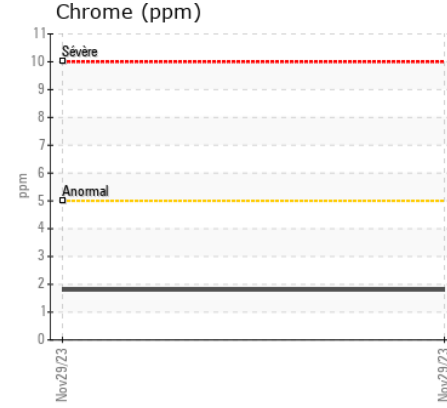
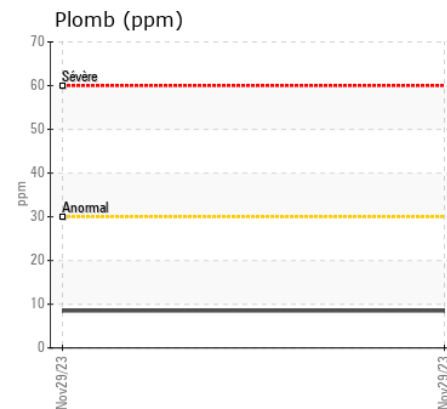
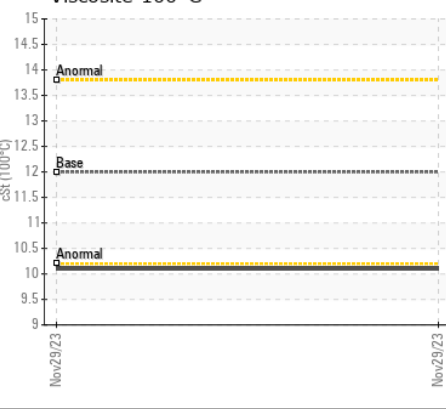
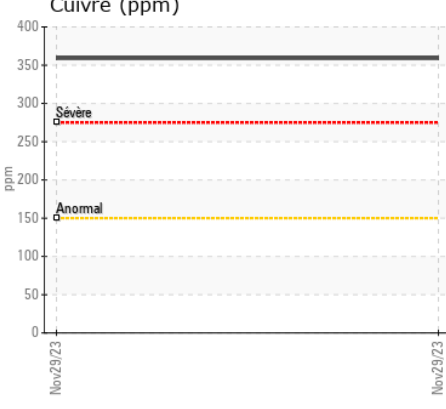
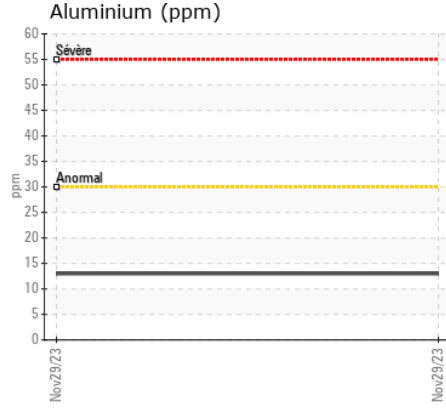
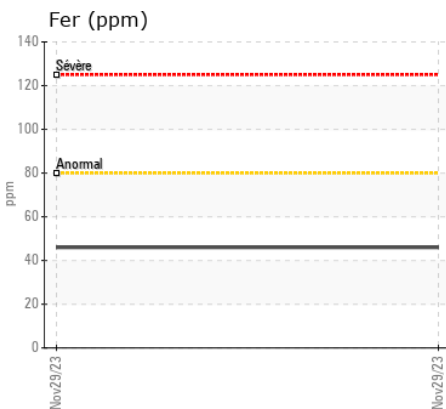
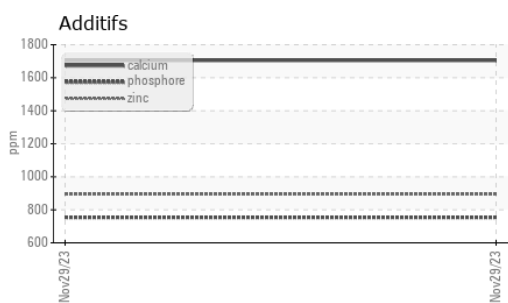
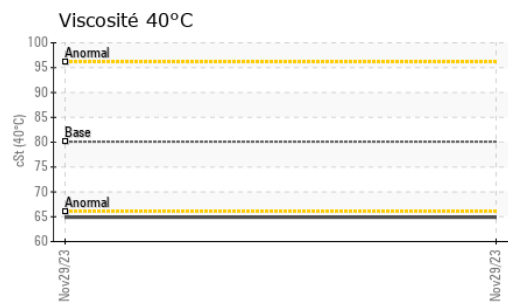
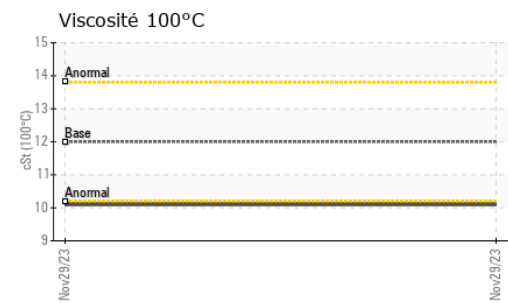
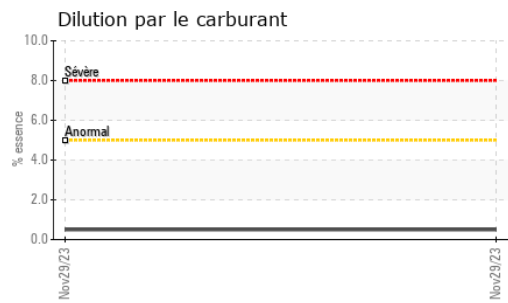
La teneur en carburant est négligeable. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

|                |          |               |       |              |     |     |
|----------------|----------|---------------|-------|--------------|-----|-----|
| Silicium       | ppm      | ASTM D5185(m) | >20   | <b>7</b>     | --- | --- |
| Potassium      | ppm      | ASTM D5185(m) | >20   | <b>46</b>    | --- | --- |
| Essence        | %        | ASTM D7593*   | >5    | <b>0.5</b>   | --- | --- |
| L'eau          |          | WC Method     | >0.2  | <b>NEG</b>   | --- | --- |
| Glycol         |          | WC Method     |       | <b>NEG</b>   | --- | --- |
| % de suie      | %        | ASTM D7844*   | >3    | <b>0.6</b>   | --- | --- |
| Nitration      | Abs/cm   | ASTM D7624*   | >20   | <b>10.8</b>  | --- | --- |
| Sulfatation    | Abs/.1mm | ASTM D7415*   | >30   | <b>25.0</b>  | --- | --- |
| Limon          | scalar   | Visual*       | NONE  | <b>NONE</b>  | --- | --- |
| Débris         | scalar   | Visual*       | NONE  | <b>NONE</b>  | --- | --- |
| Saleté         | scalar   | Visual*       | NONE  | <b>NONE</b>  | --- | --- |
| Apparence      | scalar   | Visual*       | NORML | <b>NORML</b> | --- | --- |
| Odeur          | scalar   | Visual*       | NORML | <b>NORML</b> | --- | --- |
| Eau émulsifiée | scalar   | Visual*       | >0.2  | <b>NEG</b>   | --- | --- |

**ÉTAT DU FLUIDE**

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>6</b>     | --- | --- |
| Bore                     | ppm      | ASTM D5185(m) | 2     | <b>30</b>    | --- | --- |
| Baryum                   | ppm      | ASTM D5185(m) | 0     | <b>&lt;1</b> | --- | --- |
| Molybdène                | ppm      | ASTM D5185(m) | 50    | <b>43</b>    | --- | --- |
| Manganèse                | ppm      | ASTM D5185(m) | 0     | <b>2</b>     | --- | --- |
| Magnésium                | ppm      | ASTM D5185(m) | 950   | <b>540</b>   | --- | --- |
| Calcium                  | ppm      | ASTM D5185(m) | 1050  | <b>1705</b>  | --- | --- |
| Phosphore                | ppm      | ASTM D5185(m) | 995   | <b>754</b>   | --- | --- |
| Zinc                     | ppm      | ASTM D5185(m) | 1180  | <b>894</b>   | --- | --- |
| Soufre                   | ppm      | ASTM D5185(m) | 2600  | <b>1871</b>  | --- | --- |
| Oxydation                | Abs/.1mm | ASTM D7414*   | >25   | <b>24.9</b>  | --- | --- |
| Visc 40°C                | cSt      | ASTM D7279(m) | 80.1  | <b>64.9</b>  | --- | --- |
| Visc 100°C               | cSt      | ASTM D7279(m) | 12.00 | <b>10.1</b>  | --- | --- |
| Indice de viscosité (VI) | Scale    | ASTM D2270*   | 144   | <b>141</b>   | --- | --- |



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : PC0083901 **Reçu** : 17 Jan 2024  
**N° de laboratoire** : 02609261 **Diagnostiqueur** : 18 Jan 2024  
**Numéro unique** : 5710347 **Diagnostiqueur** : Kevin Marson  
**Analyse** : MOB 1 ( Additional Tests: FuelDilution, KV40, PercentFuel, VI, Visual )

**LOCATION BROSSARD INC**  
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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.