



Identité de la machine

**FREIGHTLINER 3628**

Composant

**Moteur diesel**

Fluide

**PETRO CANADA DURON SHP 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>PC0075887</b>   | PC0065937   | PC0060652   |
| Date d'échant.      |     | Client Info |           | <b>19 Jun 2023</b> | 17 Nov 2022 | 15 Jun 2022 |
| Âge d la Machine    | kms | Client Info |           | <b>506941</b>      | 493137      | 478976      |
| Âge de l'huile      | kms | Client Info |           | <b>13304</b>       | 14605       | 16339       |
| Âge du filtre       | kms | Client Info |           | <b>13304</b>       | 14605       | 16339       |
| 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) | >80  | <b>11</b>    | 10 | 16 |
| Chrome    | ppm | ASTM D5185(m) | >5   | <b>&lt;1</b> | <1 | 1  |
| Nickel    | ppm | ASTM D5185(m) | >2   | <b>0</b>     | 0  | <1 |
| Titane    | ppm | ASTM D5185(m) |      | <b>0</b>     | <1 | 0  |
| Argent    | ppm | ASTM D5185(m) | >3   | <b>0</b>     | 0  | <1 |
| Aluminium | ppm | ASTM D5185(m) | >30  | <b>5</b>     | 4  | 5  |
| Plomb     | ppm | ASTM D5185(m) | >30  | <b>&lt;1</b> | 0  | <1 |
| Cuivre    | ppm | ASTM D5185(m) | >150 | <b>8</b>     | 3  | 6  |
| Étain     | ppm | ASTM D5185(m) | >5   | <b>&lt;1</b> | <1 | <1 |
| Vanadium  | ppm | ASTM D5185(m) |      | <b>0</b>     | 0  | 0  |

**CONTAMINATION**

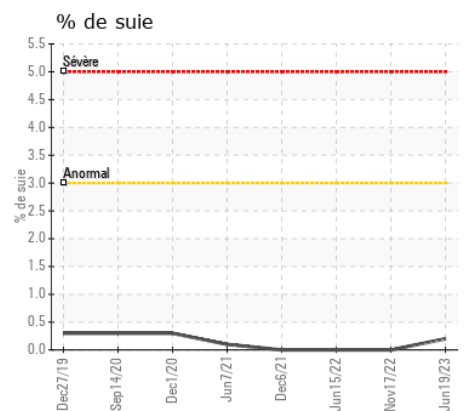
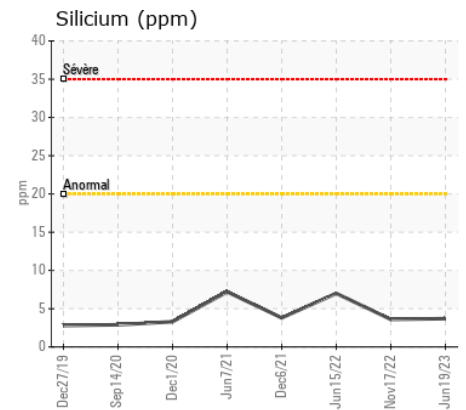
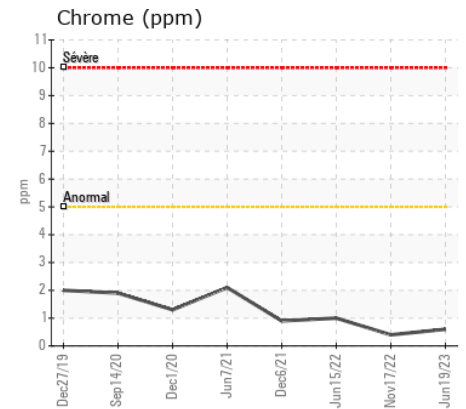
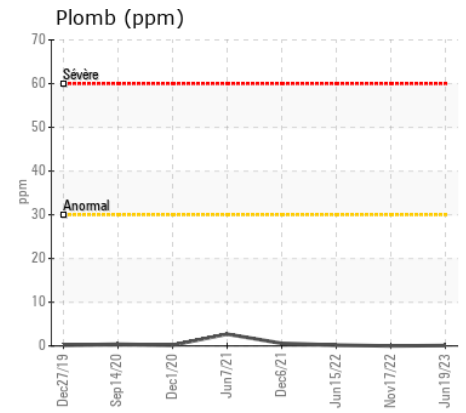
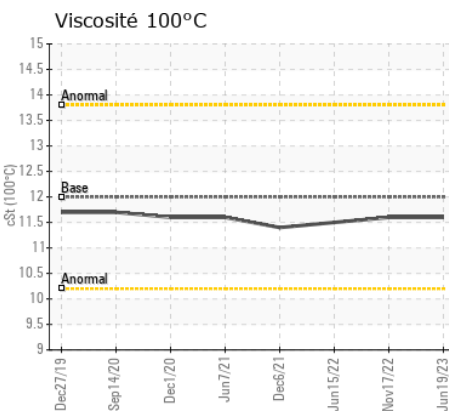
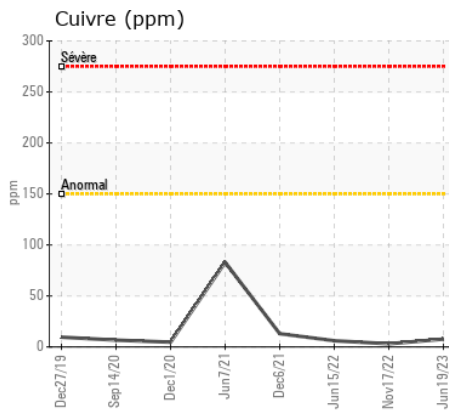
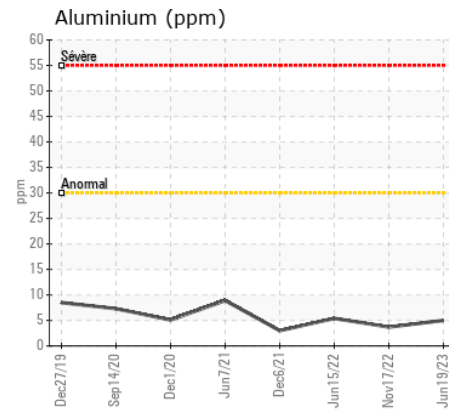
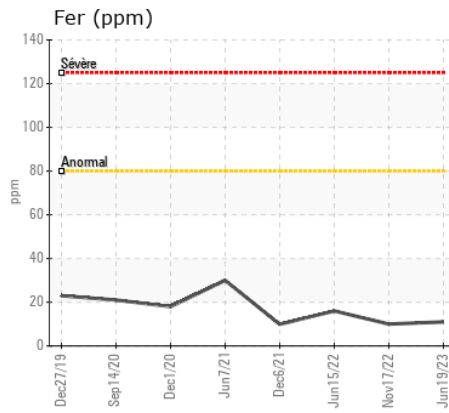
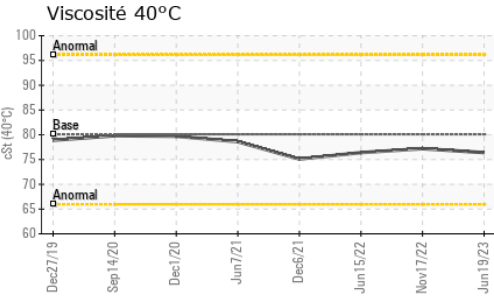
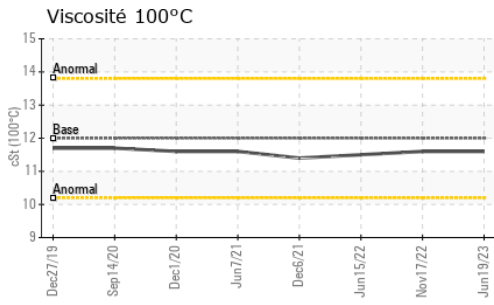
Il n'y a aucun indice de contamination dans l'huile.

|                |          |               |      |                |      |      |
|----------------|----------|---------------|------|----------------|------|------|
| Silicium       | ppm      | ASTM D5185(m) | >20  | <b>4</b>       | 4    | 7    |
| Potassium      | ppm      | ASTM D5185(m) | >20  | <b>&lt;1</b>   | <1   | 2    |
| Essence        |          | WC Method     | >5   | <b>&lt;1.0</b> | <1.0 | <1.0 |
| Glycol         |          | WC Method     |      | <b>NEG</b>     | NEG  | NEG  |
| % de suie      | %        | ASTM D7844*   | >3   | <b>0.2</b>     | 0    | 0    |
| Nitration      | Abs/cm   | ASTM D7624*   | >20  | <b>7.7</b>     | 6.4  | 6.9  |
| Sulfatation    | Abs/.1mm | ASTM D7415*   | >30  | <b>19.4</b>    | 19.5 | 20.5 |
| 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>2</b>     | 2    | 2    |
| Bore                     | ppm      | ASTM D5185(m) | 2     | <b>6</b>     | 2    | 4    |
| Baryum                   | ppm      | ASTM D5185(m) | 0     | <b>0</b>     | 0    | 0    |
| Molybdène                | ppm      | ASTM D5185(m) | 50    | <b>57</b>    | 58   | 59   |
| Manganèse                | ppm      | ASTM D5185(m) | 0     | <b>&lt;1</b> | <1   | <1   |
| Magnésium                | ppm      | ASTM D5185(m) | 950   | <b>943</b>   | 959  | 991  |
| Calcium                  | ppm      | ASTM D5185(m) | 1050  | <b>1084</b>  | 1111 | 1101 |
| Phosphore                | ppm      | ASTM D5185(m) | 995   | <b>1031</b>  | 1074 | 1068 |
| Zinc                     | ppm      | ASTM D5185(m) | 1180  | <b>1173</b>  | 1192 | 1230 |
| Soufre                   | ppm      | ASTM D5185(m) | 2600  | <b>2516</b>  | 2650 | 2674 |
| Oxydation                | Abs/.1mm | ASTM D7414*   | >25   | <b>15.0</b>  | 14.0 | 14.1 |
| Visc 40°C                | cSt      | ASTM D7279(m) | 80.1  | <b>76.4</b>  | 77.2 | 76.4 |
| Visc 100°C               | cSt      | ASTM D7279(m) | 12.00 | <b>11.6</b>  | 11.6 | 11.5 |
| Indice de viscosité (VI) | Scale    | ASTM D2270*   | 144   | <b>144</b>   | 143  | 142  |



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : PC0075887 **Reçu** : 26 Jul 2023  
**N° de laboratoire** : 02572215 **Diagnostiqué** : 26 Jul 2023  
**Numéro unique** : 5617266 **Diagnostiqueur** : Wes Davis  
**Analyse** : MOB 1 ( Additional Tests: KV40, VI )

**LOCATION BROSSARD INC**  
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 Contact: Shawn Lamoureux  
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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.

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