



Identité de la machine

**NO UNIT PC0058973**

Composant

**Moteur diesel**

Fluide

**DIESEL ENGINE OIL SAE 10W30 (--- GAL)**

**RECOMMENDATION**

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Le fluide n'était pas spécifié, toutefois, une comparaison avec d'autres fluides indique que ce fluide est du (GENERIC) DIESEL ENGINE OIL SAE 10W30. Veuillez confirmer. Veuillez préciser la marque et le modèle du composant lors du prochain échantillon.

| Test                | UOM | Method      | Limit/Abn | Current            | History1 | History2 |
|---------------------|-----|-------------|-----------|--------------------|----------|----------|
| Numéro d'échant.    |     | Client Info |           | <b>PC0058973</b>   | ---      | ---      |
| Date d'échant.      |     | Client Info |           | <b>24 Oct 2023</b> | ---      | ---      |
| Âge de la Machine   | hrs | Client Info |           | <b>0</b>           | ---      | ---      |
| Âge de l'huile      | hrs | Client Info |           | <b>0</b>           | ---      | ---      |
| Âge du filtre       | hrs | Client Info |           | <b>0</b>           | ---      | ---      |
| Huile changée       |     | Client Info |           | <b>N/A</b>         | ---      | ---      |
| Filtre changé       |     | Client Info |           | <b>N/A</b>         | ---      | ---      |
| Statut de l'échant. |     |             |           | <b>NORMAL</b>      | ---      | ---      |

**USURE**

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

|           |     |               |      |              |     |     |
|-----------|-----|---------------|------|--------------|-----|-----|
| Fer       | ppm | ASTM D5185(m) | >100 | <b>26</b>    | --- | --- |
| Chrome    | ppm | ASTM D5185(m) | >20  | <b>2</b>     | --- | --- |
| Nickel    | ppm | ASTM D5185(m) | >4   | <b>0</b>     | --- | --- |
| Titane    | ppm | ASTM D5185(m) |      | <b>0</b>     | --- | --- |
| Argent    | ppm | ASTM D5185(m) | >3   | <b>&lt;1</b> | --- | --- |
| Aluminium | ppm | ASTM D5185(m) | >20  | <b>15</b>    | --- | --- |
| Plomb     | ppm | ASTM D5185(m) | >40  | <b>&lt;1</b> | --- | --- |
| Cuivre    | ppm | ASTM D5185(m) | >330 | <b>17</b>    | --- | --- |
| Étain     | ppm | ASTM D5185(m) | >15  | <b>&lt;1</b> | --- | --- |
| Vanadium  | ppm | ASTM D5185(m) |      | <b>0</b>     | --- | --- |

**CONTAMINATION**

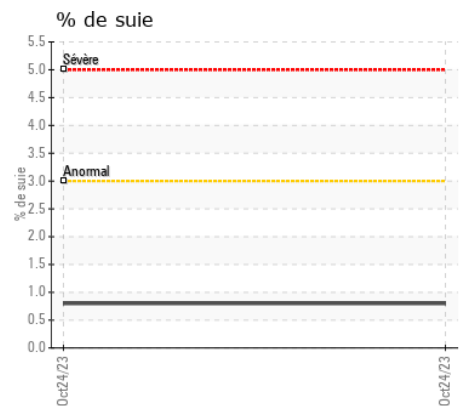
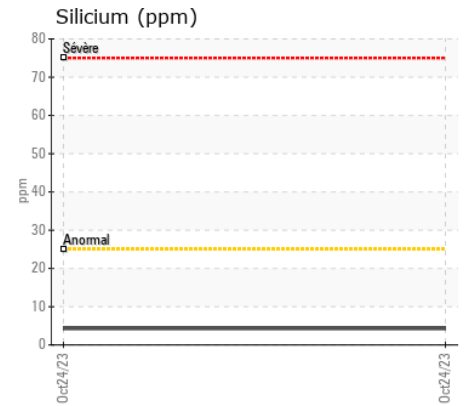
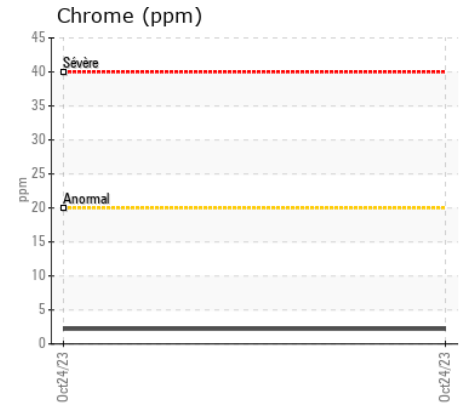
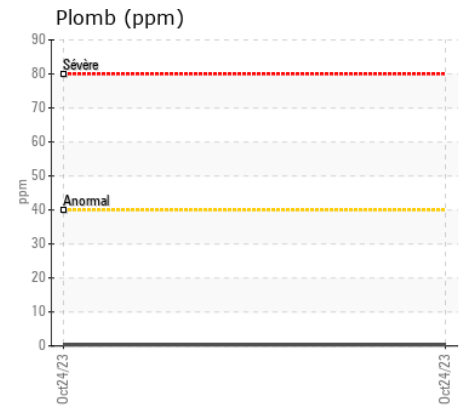
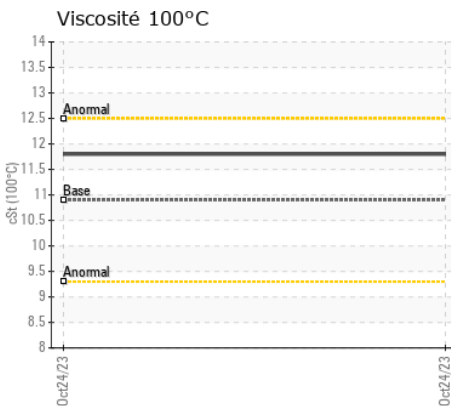
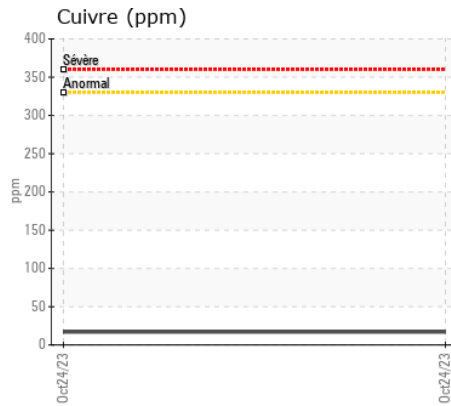
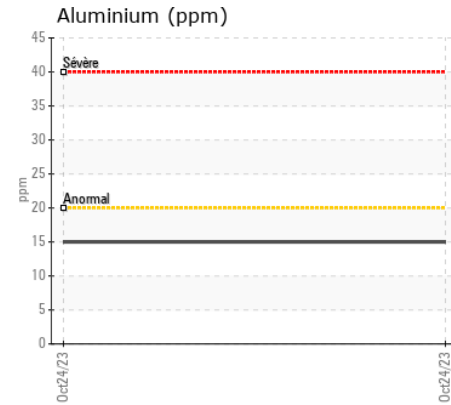
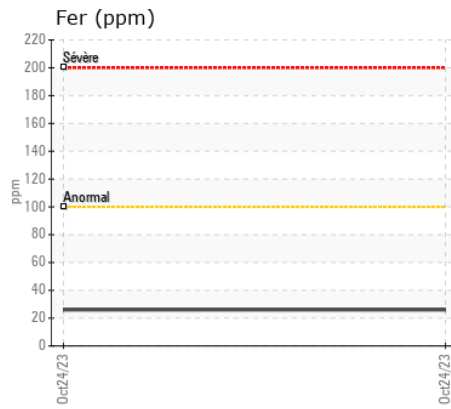
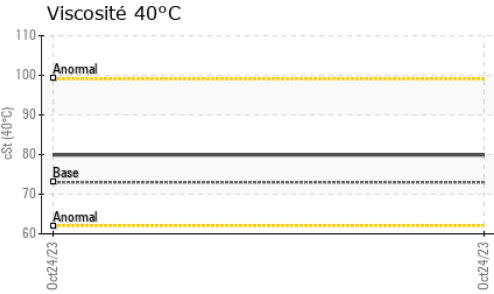
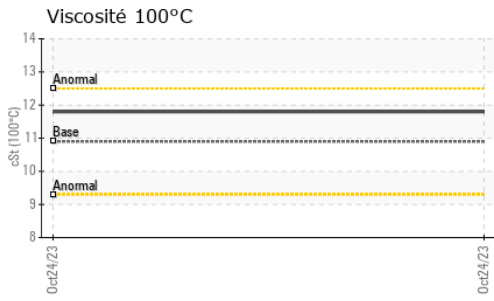
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

|                |          |               |      |                |     |     |
|----------------|----------|---------------|------|----------------|-----|-----|
| Silicium       | ppm      | ASTM D5185(m) | >25  | <b>4</b>       | --- | --- |
| Potassium      | ppm      | ASTM D5185(m) | >20  | <b>16</b>      | --- | --- |
| Essence        |          | WC Method     | >5   | <b>&lt;1.0</b> | --- | --- |
| Glycol         |          | WC Method     |      | <b>NEG</b>     | --- | --- |
| % de suie      | %        | ASTM D7844*   | >3   | <b>0.8</b>     | --- | --- |
| Nitration      | Abs/cm   | ASTM D7624*   | >20  | <b>10.0</b>    | --- | --- |
| Sulfatation    | Abs/.1mm | ASTM D7415*   | >30  | <b>22.3</b>    | --- | --- |
| Eau émulsifiée | scalar   | Visual*       | >0.2 | <b>NEG</b>     | --- | --- |

**ÉTAT DU FLUIDE**

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

|                          |          |               |      |              |     |     |
|--------------------------|----------|---------------|------|--------------|-----|-----|
| Sodium                   | ppm      | ASTM D5185(m) |      | <b>3</b>     | --- | --- |
| Bore                     | ppm      | ASTM D5185(m) | 250  | <b>2</b>     | --- | --- |
| Baryum                   | ppm      | ASTM D5185(m) | 10   | <b>0</b>     | --- | --- |
| Molybdène                | ppm      | ASTM D5185(m) | 100  | <b>62</b>    | --- | --- |
| Manganèse                | ppm      | ASTM D5185(m) |      | <b>&lt;1</b> | --- | --- |
| Magnésium                | ppm      | ASTM D5185(m) | 450  | <b>993</b>   | --- | --- |
| Calcium                  | ppm      | ASTM D5185(m) | 3000 | <b>1113</b>  | --- | --- |
| Phosphore                | ppm      | ASTM D5185(m) | 1150 | <b>964</b>   | --- | --- |
| Zinc                     | ppm      | ASTM D5185(m) | 1350 | <b>1213</b>  | --- | --- |
| Soufre                   | ppm      | ASTM D5185(m) | 4250 | <b>2064</b>  | --- | --- |
| Oxydation                | Abs/.1mm | ASTM D7414*   | >25  | <b>18.1</b>  | --- | --- |
| Visc 40°C                | cSt      | ASTM D7279(m) | 73   | <b>79.9</b>  | --- | --- |
| Visc 100°C               | cSt      | ASTM D7279(m) | 10.9 | <b>11.8</b>  | --- | --- |
| Indice de viscosité (VI) | Scale    | ASTM D2270*   | 138  | <b>141</b>   | --- | --- |



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : PC0058973 **Reçu** : 25 Oct 2023  
**N° de laboratoire** : 02591626 **Diagnostiqué** : 25 Oct 2023  
**Numéro unique** : 5668705 **Diagnostiqueur** : Kevin Marson  
**Analyse** : MOB 1 ( Additional Tests: KV40, VI )

**LOCATION BROSSARD INC**  
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 DORVAL, QC  
 CA H9P 1J7  
 Contact: Jacques Girard  
 jgirard@brossard.com

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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F: