



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

Secteur  
**MICHAUDVILLE**

Identité de la machine

**1508**

Composant

**Moteur diesel**

Fluide

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

**RECOMMENDATION**

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

| Test                | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|---------------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Numéro d'échant.    |     | Client Info |           | <b>PC0071576</b>   | PC0075919   | PC0070888   |
| Date d'échant.      |     | Client Info |           | <b>17 Oct 2023</b> | 07 Jun 2023 | 09 Feb 2023 |
| Âge d la Machine    | hrs | Client Info |           | <b>9315</b>        | 8848        | 8270        |
| Âge de l'huile      | hrs | Client Info |           | <b>0</b>           | 0           | 0           |
| Âge du filtre       | hrs | Client Info |           | <b>0</b>           | 0           | 0           |
| Huile changée       |     | Client Info |           | <b>N/A</b>         | N/A         | N/A         |
| Filtre changé       |     | Client Info |           | <b>N/A</b>         | N/A         | N/A         |
| Statut de l'échant. |     |             |           | <b>NORMAL</b>      | NORMAL      | NORMAL      |

**USURE**

All component wear rates are normal.

|           |     |               |      |              |    |    |
|-----------|-----|---------------|------|--------------|----|----|
| Fer       | ppm | ASTM D5185(m) | >100 | <b>6</b>     | 10 | 7  |
| Chrome    | ppm | ASTM D5185(m) | >20  | <b>0</b>     | 0  | 0  |
| Nickel    | ppm | ASTM D5185(m) | >4   | <b>0</b>     | 0  | 0  |
| Titane    | ppm | ASTM D5185(m) |      | <b>0</b>     | 0  | <1 |
| Argent    | ppm | ASTM D5185(m) | >3   | <b>&lt;1</b> | 0  | 0  |
| Aluminium | ppm | ASTM D5185(m) | >20  | <b>1</b>     | 2  | 2  |
| Plomb     | ppm | ASTM D5185(m) | >40  | <b>0</b>     | <1 | 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**

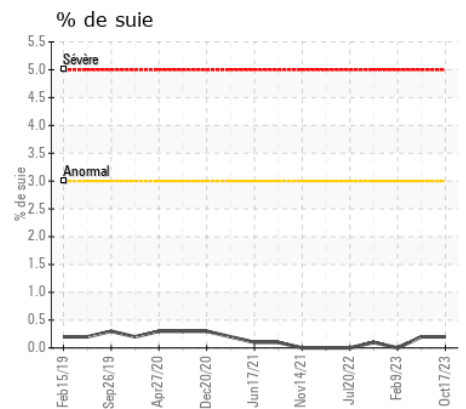
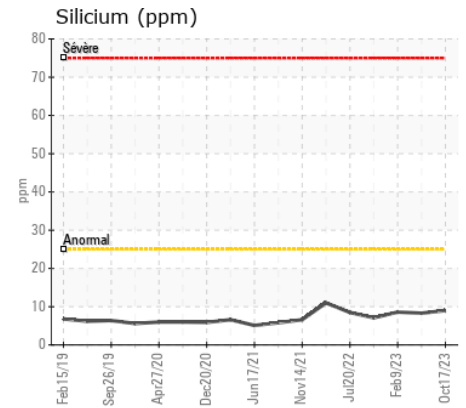
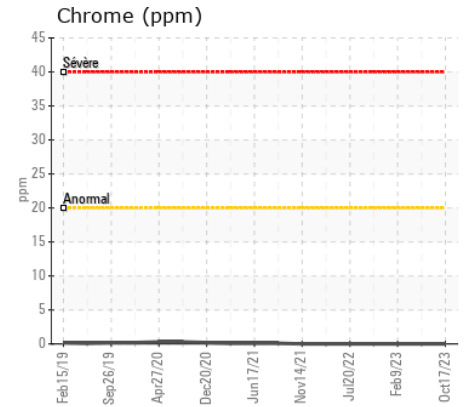
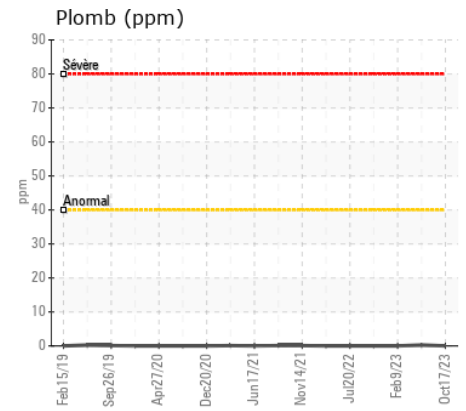
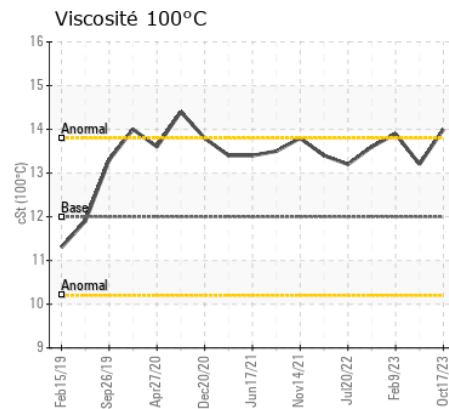
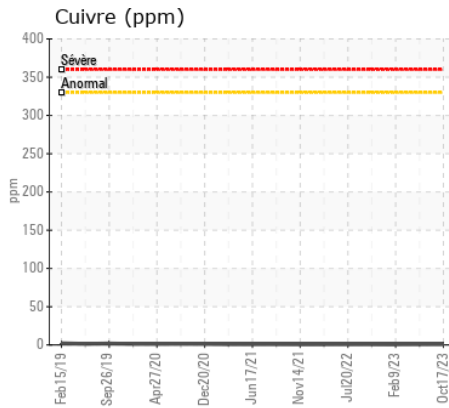
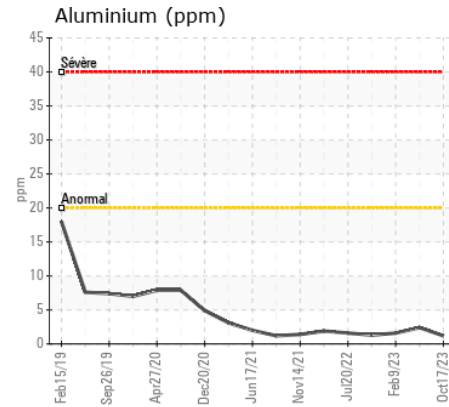
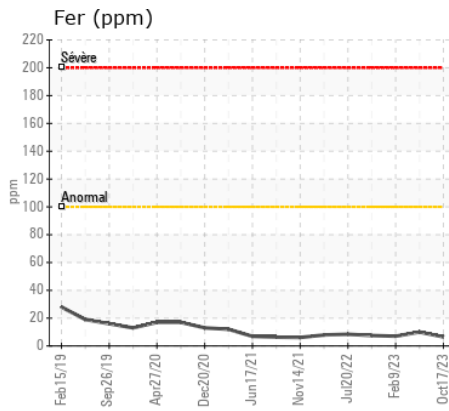
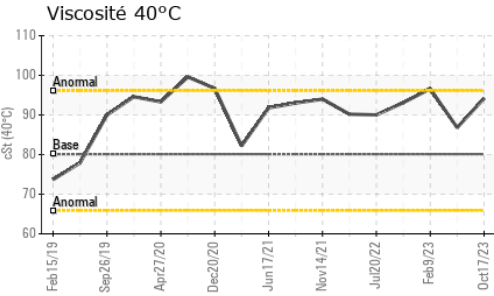
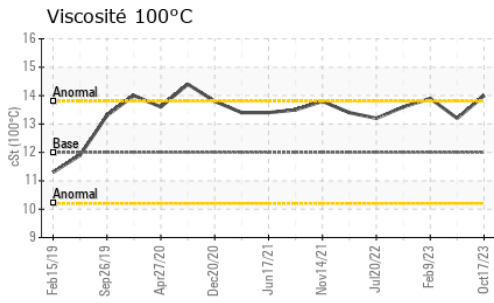
There is no indication of any contamination in the oil.

|                |          |               |      |                |      |      |
|----------------|----------|---------------|------|----------------|------|------|
| Silicium       | ppm      | ASTM D5185(m) | >25  | <b>9</b>       | 8    | 9    |
| Potassium      | ppm      | ASTM D5185(m) | >20  | <b>&lt;1</b>   | 1    | <1   |
| 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>     | 0.2  | 0    |
| Nitration      | Abs/cm   | ASTM D7624*   | >20  | <b>7.4</b>     | 7.9  | 8.0  |
| Sulfatation    | Abs/.1mm | ASTM D7415*   | >30  | <b>20.2</b>    | 21.7 | 20.2 |
| Eau émulsifiée | scalar   | Visual*       | >0.2 | <b>NEG</b>     | NEG  | NEG  |

**ÉTAT DU FLUIDE**

The condition of the oil is acceptable for the time in service.

|                          |          |               |       |              |      |      |
|--------------------------|----------|---------------|-------|--------------|------|------|
| Sodium                   | ppm      | ASTM D5185(m) |       | <b>2</b>     | 1    | 1    |
| Bore                     | ppm      | ASTM D5185(m) | 2     | <b>2</b>     | 5    | 1    |
| Baryum                   | ppm      | ASTM D5185(m) | 0     | <b>&lt;1</b> | 0    | 0    |
| Molybdène                | ppm      | ASTM D5185(m) | 50    | <b>56</b>    | 57   | 59   |
| Manganèse                | ppm      | ASTM D5185(m) | 0     | <b>0</b>     | <1   | <1   |
| Magnésium                | ppm      | ASTM D5185(m) | 950   | <b>921</b>   | 903  | 984  |
| Calcium                  | ppm      | ASTM D5185(m) | 1050  | <b>1167</b>  | 1360 | 1127 |
| Phosphore                | ppm      | ASTM D5185(m) | 995   | <b>998</b>   | 1111 | 1102 |
| Zinc                     | ppm      | ASTM D5185(m) | 1180  | <b>1207</b>  | 1227 | 1211 |
| Soufre                   | ppm      | ASTM D5185(m) | 2600  | <b>2539</b>  | 2775 | 2685 |
| Oxydation                | Abs/.1mm | ASTM D7414*   | >25   | <b>15.5</b>  | 17.3 | 15.6 |
| Visc 40°C                | cSt      | ASTM D7279(m) | 80.1  | <b>94.2</b>  | 86.8 | 96.6 |
| Visc 100°C               | cSt      | ASTM D7279(m) | 12.00 | <b>14.0</b>  | 13.2 | 13.9 |
| Indice de viscosité (VI) | Scale    | ASTM D2270*   | 144   | <b>152</b>   | 152  | 146  |



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUDVILLE INC.  
**N° d'échantillon** : PC0071576 **Reçu** : 18 Oct 2023  
**N° de laboratoire** : 02589848 **Diagnostiqué** : 18 Oct 2023  
**Numéro unique** : 5658914 **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.

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