



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

Secteur  
**MICHAUDVILLE**  
Identité de la machine  
**76106**

Composant  
**Moteur diesel**  
Fluid  
**DIESEL ENGINE OIL 10W40 (--- 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>PC0077420</b>   | PC0070883   | PC0065143   |
| Date d'échant.      |     | Client Info |           | <b>17 Dec 2023</b> | 09 Feb 2023 | 10 Jul 2022 |
| Âge d la Machine    | hrs | Client Info |           | <b>16523</b>       | 0           | 14039       |
| 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>18</b>    | 10  | 7   |
| Chrome      | ppm    | ASTM D5185(m) | >20  | <b>6</b>     | 3   | 2   |
| Nickel      | ppm    | ASTM D5185(m) | >4   | <b>&lt;1</b> | <1  | 0   |
| Titane      | ppm    | ASTM D5185(m) |      | <b>0</b>     | <1  | <1  |
| Argent      | ppm    | ASTM D5185(m) | >3   | <b>&lt;1</b> | 0   | 0   |
| Aluminium   | ppm    | ASTM D5185(m) | >20  | <b>4</b>     | 4   | 3   |
| Plomb       | ppm    | ASTM D5185(m) | >40  | <b>&lt;1</b> | 0   | <1  |
| Cuivre      | ppm    | ASTM D5185(m) | >330 | <b>&lt;1</b> | <1  | <1  |
| Étain       | ppm    | ASTM D5185(m) | >15  | <b>0</b>     | 0   | <1  |
| Vanadium    | ppm    | ASTM D5185(m) |      | <b>0</b>     | 0   | 0   |
| Métal blanc | scalar | Visual*       | NONE | <b>VLITE</b> | --- | --- |
| Bronze      | scalar | Visual*       | NONE | <b>NONE</b>  | --- | --- |

**CONTAMINATION**

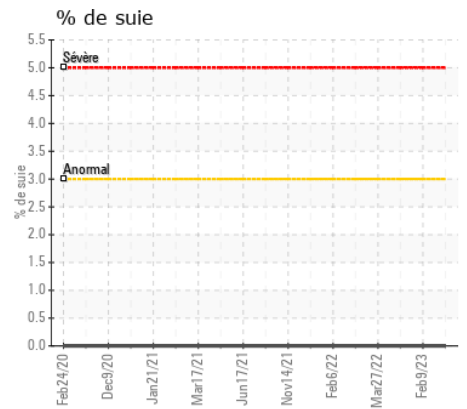
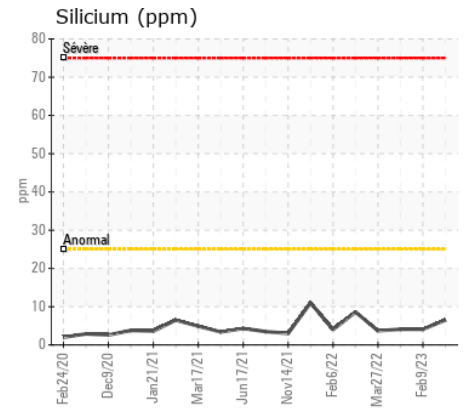
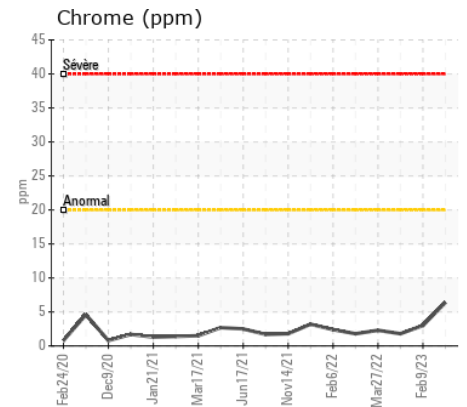
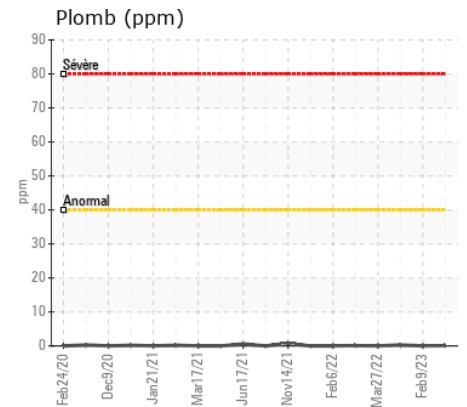
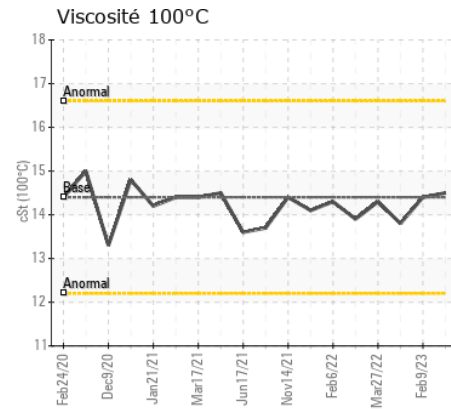
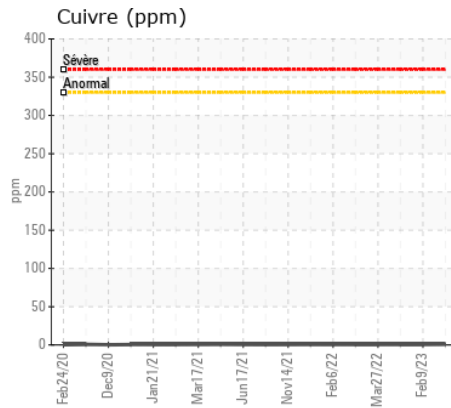
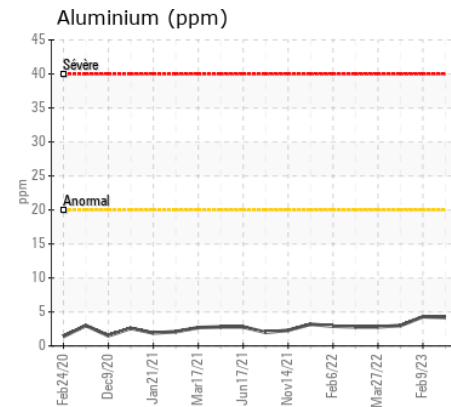
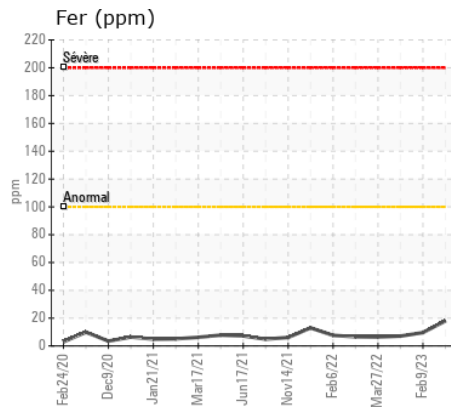
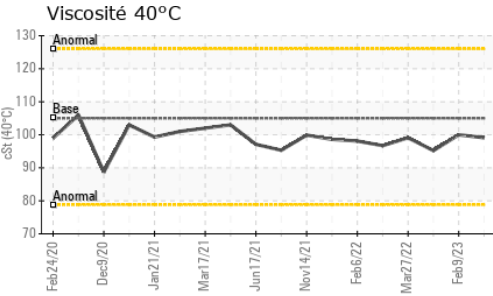
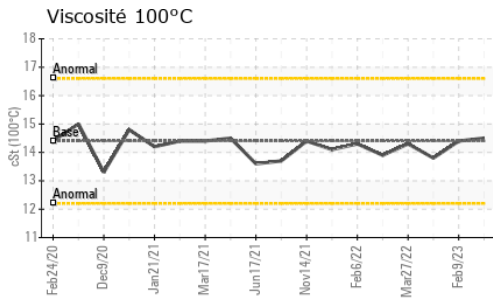
There is no indication of any contamination in the oil.

|                |          |               |       |                |       |       |
|----------------|----------|---------------|-------|----------------|-------|-------|
| Silicium       | ppm      | ASTM D5185(m) | >25   | <b>6</b>       | 4     | 4     |
| Potassium      | ppm      | ASTM D5185(m) | >20   | <b>0</b>       | 0     | 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</b>       | 0     | 0     |
| Nitration      | Abs/cm   | ASTM D7624*   | >20   | <b>7.0</b>     | 7.7   | 7.1   |
| Sulfatation    | Abs/.1mm | ASTM D7415*   | >30   | <b>20.1</b>    | 20.9  | 20.8  |
| 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>   | NORML | NORML |
| 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>     | 2    | 2    |
| Bore                     | ppm      | ASTM D5185(m) | 250  | <b>2</b>     | 4    | 6    |
| Baryum                   | ppm      | ASTM D5185(m) | 10   | <b>&lt;1</b> | 0    | 0    |
| Molybdène                | ppm      | ASTM D5185(m) | 100  | <b>62</b>    | 65   | 54   |
| Manganèse                | ppm      | ASTM D5185(m) |      | <b>0</b>     | <1   | <1   |
| Magnésium                | ppm      | ASTM D5185(m) | 450  | <b>1032</b>  | 1090 | 932  |
| Calcium                  | ppm      | ASTM D5185(m) | 3000 | <b>1314</b>  | 1374 | 1413 |
| Phosphore                | ppm      | ASTM D5185(m) | 1150 | <b>1020</b>  | 1169 | 1024 |
| Zinc                     | ppm      | ASTM D5185(m) | 1350 | <b>1292</b>  | 1356 | 1262 |
| Soufre                   | ppm      | ASTM D5185(m) | 4250 | <b>2533</b>  | 2710 | 2660 |
| Oxydation                | Abs/.1mm | ASTM D7414*   | >25  | <b>16.7</b>  | 16.2 | 14.8 |
| Visc 40°C                | cSt      | ASTM D7279(m) | 105  | <b>99.1</b>  | 100  | 95.2 |
| Visc 100°C               | cSt      | ASTM D7279(m) | 14.4 | <b>14.5</b>  | 14.4 | 13.8 |
| Indice de viscosité (VI) | Scale    | ASTM D2270*   | 126  | <b>151</b>   | 148  | 147  |



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUDVILLE INC.  
**N° d'échantillon** : PC0077420 **Reçu** : 18 Dec 2023  
**N° de laboratoire** : 02603698 **Diagnostiqué** : 18 Dec 2023  
**Numéro unique** : 5696783 **Diagnostiqueur** : Wes Davis  
**Analyse** : MOB 1 ( Additional Tests: KV40, VI, Visual )

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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