



# RAPPORT DU CARBURANT

|                   |               |
|-------------------|---------------|
| CORROSSIONE       | <b>NORMAL</b> |
| CONTAMINANTS      | <b>NORMAL</b> |
| ÉTAT DU CARBURANT | <b>NORMAL</b> |

Secteur  
**[49252]**  
 Identité de la machine  
**ONAN G210958882**

Composant  
**Carburant diesel**  
 Fluide  
**No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)**

## RECOMMENDATION

Laboratory test indicate that this fuel is suitable for use and meets all test requirements. Resample at the next service interval to monitor.

| Test                | UOM | Method      | Limit/Abn | Current            | History1 | History2 |
|---------------------|-----|-------------|-----------|--------------------|----------|----------|
| Numéro d'échant.    |     | Client Info |           | <b>CU0021652</b>   | ---      | ---      |
| Date d'échant.      |     | Client Info |           | <b>13 Nov 2023</b> | ---      | ---      |
| Âge d la Machine    | hrs | Client Info |           | <b>0</b>           | ---      | ---      |
| Statut de l'échant. |     |             |           | <b>NORMAL</b>      | ---      | ---      |

## CORROSSIONE

{not applicable}

|           |     |               |      |              |     |     |
|-----------|-----|---------------|------|--------------|-----|-----|
| Aluminium | ppm | ASTM D5185(m) | <0.1 | <b>0</b>     | --- | --- |
| Nickel    | ppm | ASTM D5185(m) | <0.1 | <b>0</b>     | --- | --- |
| Plomb     | ppm | ASTM D5185(m) | <0.1 | <b>0</b>     | --- | --- |
| Vanadium  | ppm | ASTM D5185(m) | <0.1 | <b>0</b>     | --- | --- |
| Fer       | ppm | ASTM D5185(m) | <0.1 | <b>&lt;1</b> | --- | --- |

## CONTAMINANTS

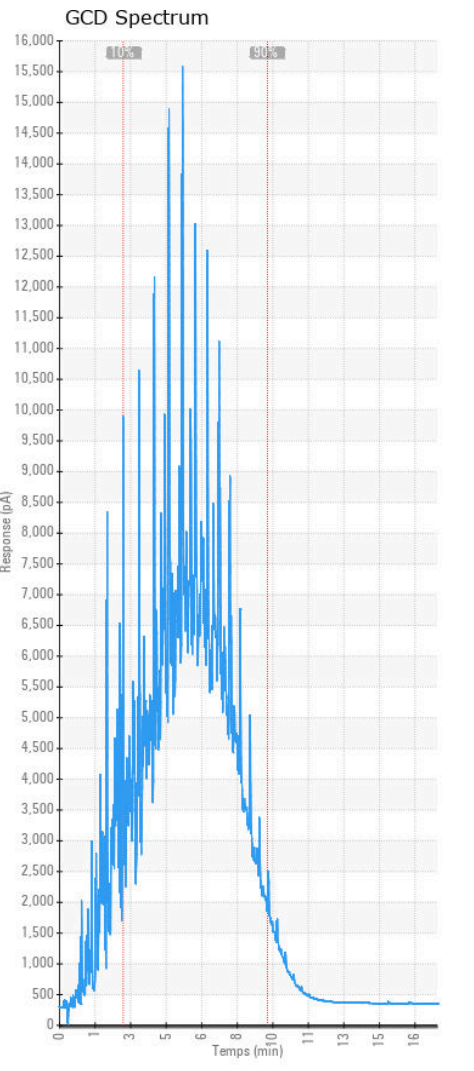
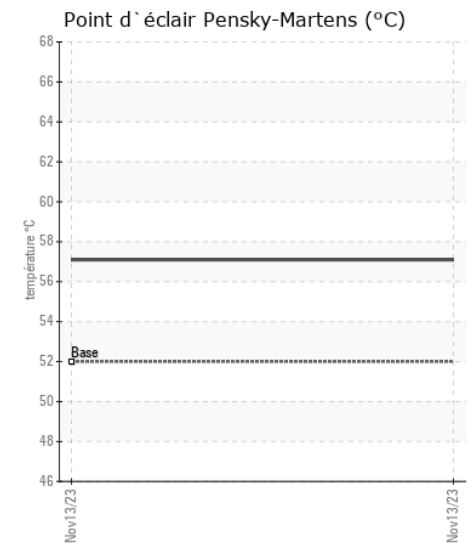
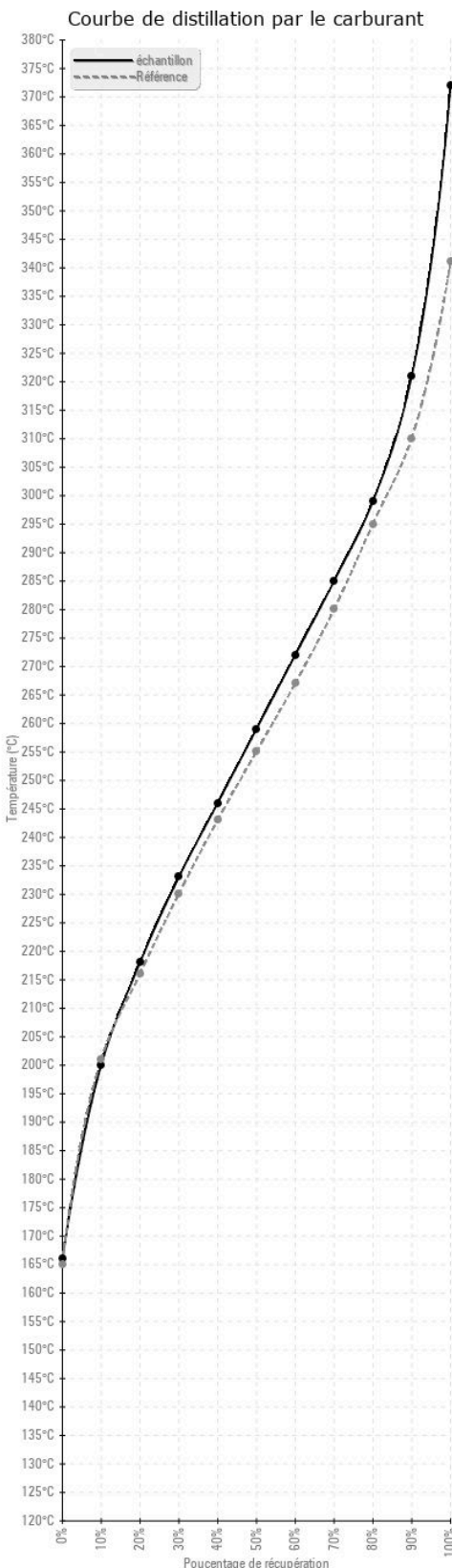
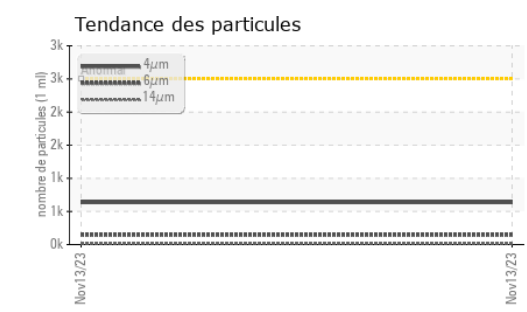
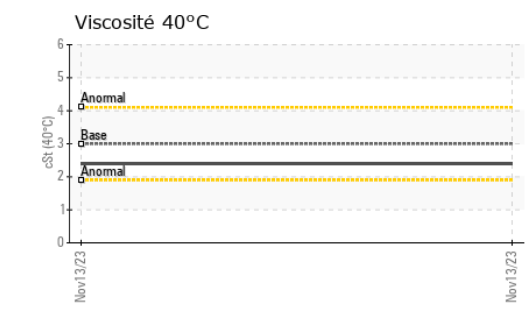
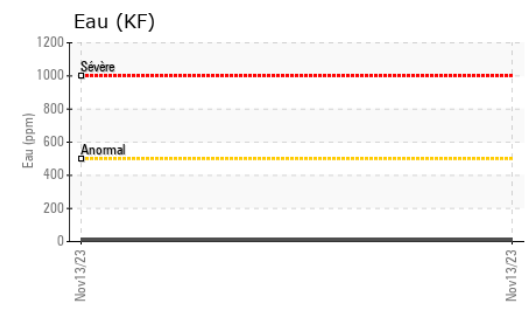
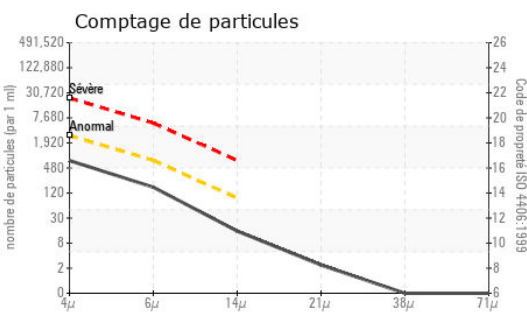
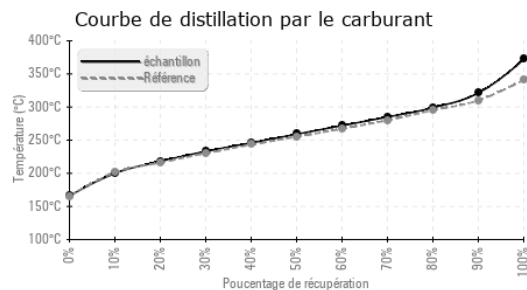
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. There is no indication of any contamination in the diesel fuel.

|                     |     |               |           |                 |     |     |
|---------------------|-----|---------------|-----------|-----------------|-----|-----|
| Silicium            | ppm | ASTM D5185(m) | <1.0      | <b>0</b>        | --- | --- |
| Sodium              | ppm | ASTM D5185(m) | <0.1      | <b>0</b>        | --- | --- |
| Potassium           | ppm | ASTM D5185(m) | <0.1      | <b>&lt;1</b>    | --- | --- |
| Eau                 | %   | ASTM D6304*   | <0.05     | <b>0.001</b>    | --- | --- |
| ppm d'eau           | ppm | ASTM D6304*   | <500      | <b>9.5</b>      | --- | --- |
| Particules >4µ      |     | ASTM D7647    | >2500     | <b>636</b>      | --- | --- |
| Particules >6µ      |     | ASTM D7647    | >640      | <b>146</b>      | --- | --- |
| Particules >14µ     |     | ASTM D7647    | >80       | <b>13</b>       | --- | --- |
| Particules >21µ     |     | ASTM D7647    | >20       | <b>2</b>        | --- | --- |
| Particules >38µ     |     | ASTM D7647    | >4        | <b>0</b>        | --- | --- |
| Particules >71µ     |     | ASTM D7647    | >3        | <b>0</b>        | --- | --- |
| Propreté de l'huile |     | ISO 4406 (c)  | >18/16/13 | <b>16/14/11</b> | --- | --- |
| Calcium             | ppm | ASTM D5185(m) | <0.1      | <b>0</b>        | --- | --- |
| Magnésium           | ppm | ASTM D5185(m) | <0.1      | <b>0</b>        | --- | --- |
| Phosphore           | ppm | ASTM D5185(m) | <0.1      | <b>&lt;1</b>    | --- | --- |
| Zinc                | ppm | ASTM D5185(m) | <0.1      | <b>&lt;1</b>    | --- | --- |

## ÉTAT DU CARBURANT

All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel (US EPA/CGSB-3.517-3 type B).

|                               |      |                |        |               |     |     |
|-------------------------------|------|----------------|--------|---------------|-----|-----|
| Densité                       |      | ASTM D1298*    | 0.839  | <b>0.844</b>  | --- | --- |
| Couleur du carburant          | text | Visual Screen* | Yellow | <b>Yellow</b> | --- | --- |
| Visc 40°C                     | cSt  | ASTM D7279(m)  | 3.0    | <b>2.4</b>    | --- | --- |
| Point d'éclair Pensky-Martens | °C   | ASTM D7215*    | 52     | <b>57.1</b>   | --- | --- |
| Soufre                        | ppm  | ASTM D5185(m)  | 10     | <b>11</b>     | --- | --- |
| Point d'ébullition initial    | °C   | ASTM D2887*    | 165    | <b>166</b>    | --- | --- |
| Point de distillation de 10%  | °C   | ASTM D2887*    | 201    | <b>200</b>    | --- | --- |
| Point de distillation de 20%  | °C   | ASTM D2887*    | 216    | <b>218</b>    | --- | --- |
| Point de distillation de 30%  | °C   | ASTM D2887*    | 230    | <b>233</b>    | --- | --- |
| Point de distillation de 40%  | °C   | ASTM D2887*    | 243    | <b>246</b>    | --- | --- |
| Point de distillation de 50%  | °C   | ASTM D2887*    | 255    | <b>259</b>    | --- | --- |
| Point de distillation de 60%  | °C   | ASTM D2887*    | 267    | <b>272</b>    | --- | --- |
| Point de distillation de 70%  | °C   | ASTM D2887*    | 280    | <b>285</b>    | --- | --- |
| Point de distillation de 80%  | °C   | ASTM D2887*    | 295    | <b>299</b>    | --- | --- |
| Point de distillation de 90%  | °C   | ASTM D2887*    | 310    | <b>321</b>    | --- | --- |
| Point d'ébullition final      | °C   | ASTM D2887*    | 341    | <b>372</b>    | --- | --- |
| Densité API                   |      | ASTM D1298*    | 37.7   | <b>36</b>     | --- | --- |
| Indice de cétane              |      | ASTM D437*     | <40.0  | <b>46</b>     | --- | --- |



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CUMMINS EASTERN CANADA INC.**  
**N° d'échantillon** : CU0021652 **Reçu** : 14 Nov 2023 122 CLYDE AVENUE  
**N° de laboratoire** : 02596421 **Diagnostic** : 16 Nov 2023 MOUNT PEARL, NL  
**Numéro unique** : 5681501 **Diagnostic** : Kevin Marson CA A1N 4S3  
**Analyse** : FUEL ( Additional Tests: CC Flash, GC-PercFuel, PrtCount ) **Contact:** JUANITA BRANTON  
 Pour discuter ce rapport, contacter le service à la clientèle au 1-800-268-2131. **JUANITA.BRANTON@CUMMINS.COM**  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. **T: (709)747-0157**  
 La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada. **F: (709)747-1084**