

Secteur  
**[269888]**  
Identité de la machine  
**NO UNIT WA0020598**

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



## DIAGNOSTIC

### ▲ Recommendation

Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

### ▲ Corrosion

La concentration des métaux est élevée indiquant la présence de corrosion dans le système.

### Contaminants

La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La teneur en eau est négligeable. Il n'y a aucun indice de contamination dans le carburant diesel.

### État Du Carburant

Tous les essais en laboratoire indiquent que cet échantillon satisfait aux spécifications pour le carburant diesel à ultra-faible teneur de soufre No.2 (US EPA/CGSB-3.517-3 type B).

| INFORMATION SUR L'éCHANTILLON |             | methode     | limite/base | actuel             | passé1 | passé2 |
|-------------------------------|-------------|-------------|-------------|--------------------|--------|--------|
| Numéro d'échant.              | Client Info |             |             | <b>WA0020598</b>   | ---    | ---    |
| Date d'échant.                | Client Info |             |             | <b>26 Mar 2024</b> | ---    | ---    |
| Âge d la Machine              | hrs         | Client Info |             | <b>0</b>           | ---    | ---    |
| Statut de l'échant.           |             |             |             | <b>ABNORMAL</b>    | ---    | ---    |

| PHYSICAL PROPERTIES           |      | methode        | limite/base | actuel       | passé1 | passé2 |
|-------------------------------|------|----------------|-------------|--------------|--------|--------|
| Densité                       |      | ASTM D1298*    | 0.839       | <b>0.831</b> | ---    | ---    |
| Couleur du carburant          | text | Visual Screen* | Yllow       | <b>Red</b>   | ---    | ---    |
| Visc 40°C                     | cSt  | ASTM D7279(m)  | 3.0         | <b>2.2</b>   | ---    | ---    |
| Point d'éclair Pensky-Martens | °C   | ASTM D7215*    | 52          | <b>50.3</b>  | ---    | ---    |

| SULFUR CONTENT |     | methode       | limite/base | actuel    | passé1 | passé2 |
|----------------|-----|---------------|-------------|-----------|--------|--------|
| Soufre         | ppm | ASTM D5185(m) | 10          | <b>11</b> | ---    | ---    |

| DISTILLATION                 |    | methode     | limite/base | actuel     | passé1 | passé2 |
|------------------------------|----|-------------|-------------|------------|--------|--------|
| Point d'ébullition initial   | °C | ASTM D2887* | 165         | <b>157</b> | ---    | ---    |
| Point de distillation de 5%  | °C | ASTM D2887* |             | <b>177</b> | ---    | ---    |
| Point de distillation de 10% | °C | ASTM D2887* | 201         | <b>186</b> | ---    | ---    |
| Point de distillation de 15% | °C | ASTM D2887* |             | <b>194</b> | ---    | ---    |
| Point de distillation de 20% | °C | ASTM D2887* | 216         | <b>202</b> | ---    | ---    |
| Point de distillation de 30% | °C | ASTM D2887* | 230         | <b>217</b> | ---    | ---    |
| Point de distillation de 40% | °C | ASTM D2887* | 243         | <b>231</b> | ---    | ---    |
| Point de distillation de 50% | °C | ASTM D2887* | 255         | <b>246</b> | ---    | ---    |
| Point de distillation de 60% | °C | ASTM D2887* | 267         | <b>261</b> | ---    | ---    |
| Point de distillation de 70% | °C | ASTM D2887* | 280         | <b>276</b> | ---    | ---    |
| Point de distillation de 80% | °C | ASTM D2887* | 295         | <b>293</b> | ---    | ---    |
| Point de distillation de 85% | °C | ASTM D2887* |             | <b>305</b> | ---    | ---    |
| Point de distillation de 90% | °C | ASTM D2887* | 310         | <b>316</b> | ---    | ---    |
| Point de distillation de 95% | °C | ASTM D2887* |             | <b>335</b> | ---    | ---    |
| Point d'ébullition final     | °C | ASTM D2887* | 341         | <b>355</b> | ---    | ---    |

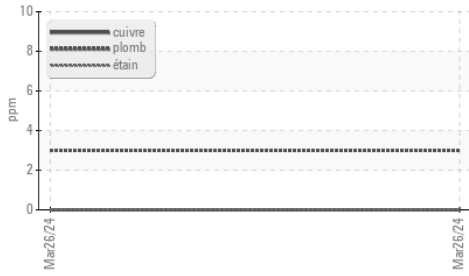
| IGNITION QUALITY |  | methode     | limite/base | actuel    | passé1 | passé2 |
|------------------|--|-------------|-------------|-----------|--------|--------|
| Densité API      |  | ASTM D1298* | 37.7        | <b>38</b> | ---    | ---    |
| Indice de cétane |  | ASTM D4737* | <40.0       | <b>48</b> | ---    | ---    |

| CONTAMINANTS |     | methode       | limite/base | actuel       | passé1 | passé2 |
|--------------|-----|---------------|-------------|--------------|--------|--------|
| Silicium     | ppm | ASTM D5185(m) | <1.0        | <b>0</b>     | ---    | ---    |
| Sodium       | ppm | ASTM D5185(m) | <0.1        | <b>&lt;1</b> | ---    | ---    |
| Potassium    | ppm | ASTM D5185(m) | <0.1        | <b>0</b>     | ---    | ---    |
| Eau          | %   | ASTM D6304*   | <0.05       | <b>0.002</b> | ---    | ---    |
| ppm d'eau    | ppm | ASTM D6304*   | <500        | <b>22</b>    | ---    | ---    |

| PROPRETÉ DU FLUIDE  |  | methode      | limite/base | actuel          | passé1 | passé2 |
|---------------------|--|--------------|-------------|-----------------|--------|--------|
| Particules >4µ      |  | ASTM D7647   | >2500       | <b>963</b>      | ---    | ---    |
| Particules >6µ      |  | ASTM D7647   | >1300       | <b>343</b>      | ---    | ---    |
| Particules >14µ     |  | ASTM D7647   | >160        | <b>43</b>       | ---    | ---    |
| Particules >21µ     |  | ASTM D7647   | >40         | <b>12</b>       | ---    | ---    |
| Particules >38µ     |  | ASTM D7647   | >10         | <b>2</b>        | ---    | ---    |
| Particules >71µ     |  | ASTM D7647   | >3          | <b>0</b>        | ---    | ---    |
| Propreté de l'huile |  | ISO 4406 (c) | >18/17/14   | <b>17/16/13</b> | ---    | ---    |

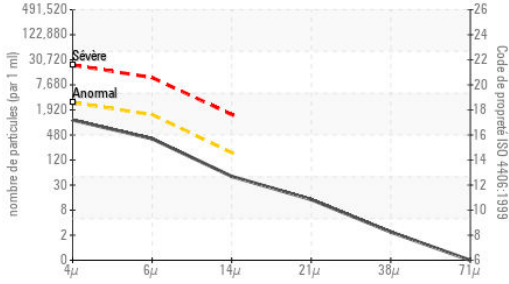
# RAPPORT DU CARBURANT

## ▲ Métaux non-ferreux



| HEAVY METALS | methode | limite/base   | actuel | passé1 | passé2 |
|--------------|---------|---------------|--------|--------|--------|
| Aluminium    | ppm     | ASTM D5185(m) | <0.1   | 0      | ---    |
| Nickel       | ppm     | ASTM D5185(m) | <0.1   | 0      | ---    |
| Plomb        | ppm     | ASTM D5185(m) | <0.1   | ▲ 3    | ---    |
| Vanadium     | ppm     | ASTM D5185(m) | <0.1   | 0      | ---    |
| Fer          | ppm     | ASTM D5185(m) | <0.1   | 0      | ---    |
| Calcium      | ppm     | ASTM D5185(m) | <0.1   | <1     | ---    |
| Magnésium    | ppm     | ASTM D5185(m) | <0.1   | <1     | ---    |
| Phosphore    | ppm     | ASTM D5185(m) | <0.1   | <1     | ---    |
| Zinc         | ppm     | ASTM D5185(m) | <0.1   | <1     | ---    |

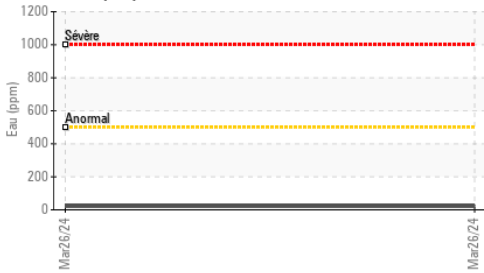
## Comptage de particules



## IMAGES DE L'ÉCHANTILLON

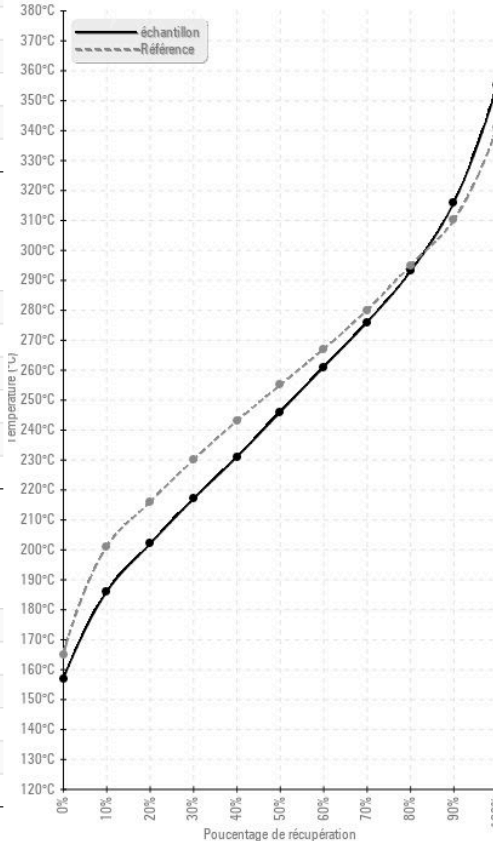
|        | methode | limite/base | actuel | passé1   | passé2   |
|--------|---------|-------------|--------|----------|----------|
| Coluer |         |             |        | no image | no image |
| Fond   |         |             |        | no image | no image |

## Eau (KF)

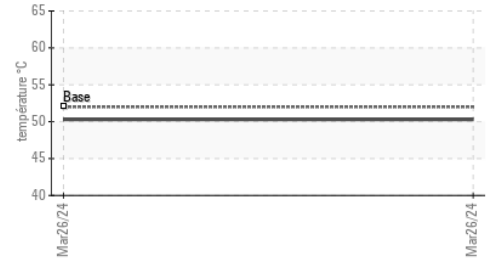


## GRAPHIQUES

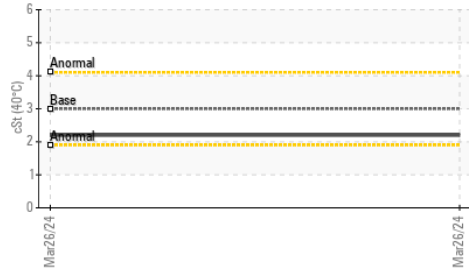
### Courbe de distillation par le carburant



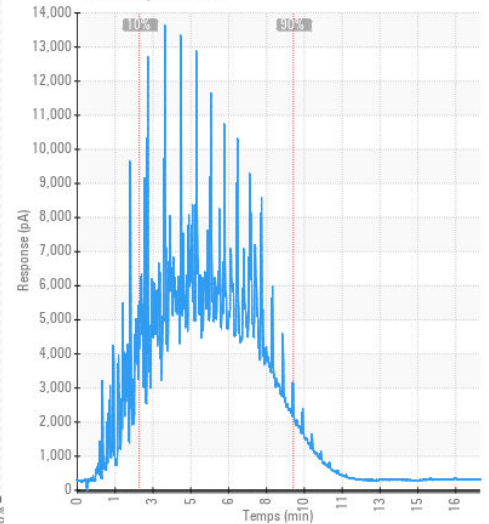
### Point d'éclair Pensky-Martens (°C)



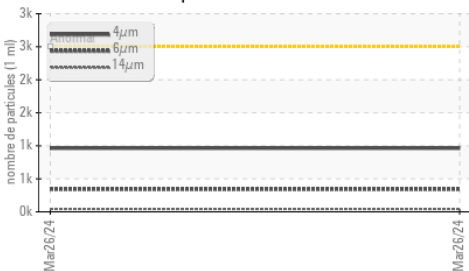
## Viscosité 40°C



### GCD Spectrum



## Tendance des particules



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

**N° d'échantillon** : WA0020598

**N° de laboratoire** : 02625088

**Numéro unique** : 5750207

**Analyse** : FUEL ( Additional Tests: CC Flash, GC-PercFuel, PrtCount )

**Reçu** : 27 Mar 2024

**Tested** : 01 Apr 2024

**Diagnostiqué** : 01 Apr 2024 - Kevin Marson

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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.