



# RAPPORT DU CARBURANT

Sample Rating Trend

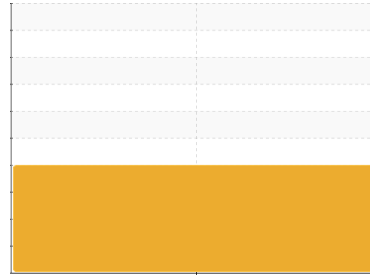
ISO(LES NORMES)

Secteur  
**[49242]**

Identité de la machine  
**NO UNIT CU0021660**

Composant  
**Carburant diesel**

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



## DIAGNOSTIC

### Recommendation

Check seals and/or filters for points of contaminant entry. Laboratory test indicate that this fuel is suitable for use and meets all test requirements. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We advise that you filter this fluid before use. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.

### Corrosione

(not applicable)

### Contaminants

There is a high amount of silt (particulates < 14 microns in size) present in the fuel. The water content is negligible.

### 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). The fuel is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

INFORMATION SUR L'ÉCHANTILLON		methode	limite/base	actuel	passé1	passé2
Numéro d'échant.	Client Info			<b>CU0021660</b>	---	---
Date d'échant.	Client Info			<b>31 Oct 2023</b>	---	---
Âge d la Machine	hrs	Client Info		<b>0</b>	---	---
Statut de l'échant.				<b>SEVERE</b>	---	---

PHYSICAL PROPERTIES		methode	limite/base	actuel	passé1	passé2
Densité	ASTM D1298*	0.839		<b>0.832</b>	---	---
Couleur du carburant	text	Visual Screen*	Yllow	<b>DkYlw</b>	---	---
Visc 40°C	cSt	ASTM D7279(m)	3.0	<b>2.5</b>	---	---
Point d'éclair Pensky-Martens	°C	ASTM D7215*	52	<b>61.5</b>	---	---

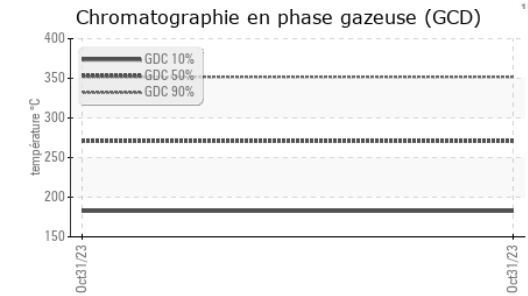
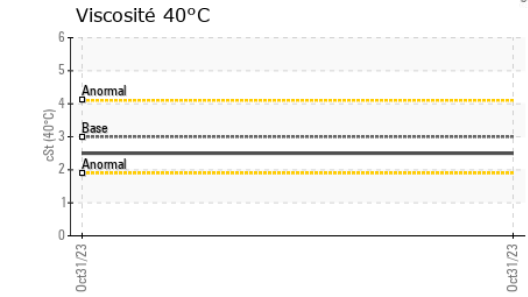
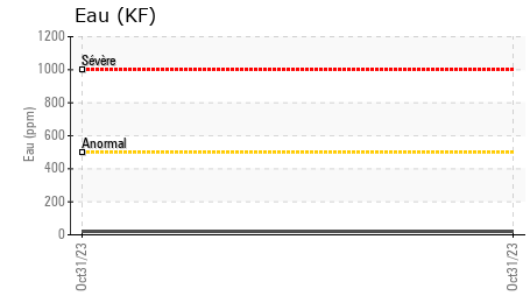
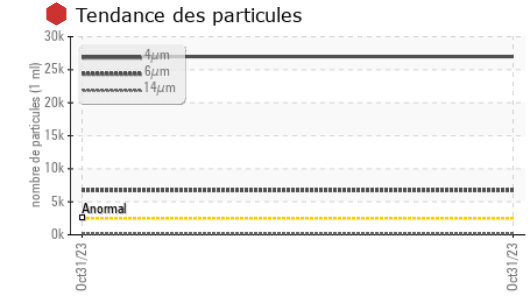
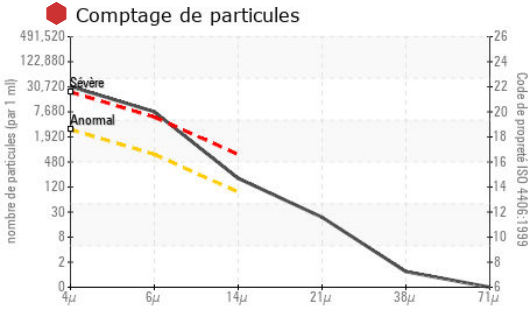
SULFUR CONTENT		methode	limite/base	actuel	passé1	passé2
Soufre	ppm	ASTM D5185(m)	10	<b>8</b>	---	---

DISTILLATION		methode	limite/base	actuel	passé1	passé2
Point d'ébullition initial	°C	ASTM D2887*	165	<b>172</b>	---	---
Point de distillation de 5%	°C	ASTM D2887*		<b>195</b>	---	---
Point de distillation de 10%	°C	ASTM D2887*	201	<b>206</b>	---	---
Point de distillation de 15%	°C	ASTM D2887*		<b>215</b>	---	---
Point de distillation de 20%	°C	ASTM D2887*	216	<b>223</b>	---	---
Point de distillation de 30%	°C	ASTM D2887*	230	<b>240</b>	---	---
Point de distillation de 40%	°C	ASTM D2887*	243	<b>253</b>	---	---
Point de distillation de 50%	°C	ASTM D2887*	255	<b>267</b>	---	---
Point de distillation de 60%	°C	ASTM D2887*	267	<b>281</b>	---	---
Point de distillation de 70%	°C	ASTM D2887*	280	<b>295</b>	---	---
Point de distillation de 80%	°C	ASTM D2887*	295	<b>310</b>	---	---
Point de distillation de 85%	°C	ASTM D2887*		<b>321</b>	---	---
Point de distillation de 90%	°C	ASTM D2887*	310	<b>331</b>	---	---
Point de distillation de 95%	°C	ASTM D2887*		<b>348</b>	---	---
Point d'ébullition final	°C	ASTM D2887*	341	<b>362</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>53</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>	---	---
ppm d'eau	ppm	ASTM D6304*	<500	<b>21</b>	---	---

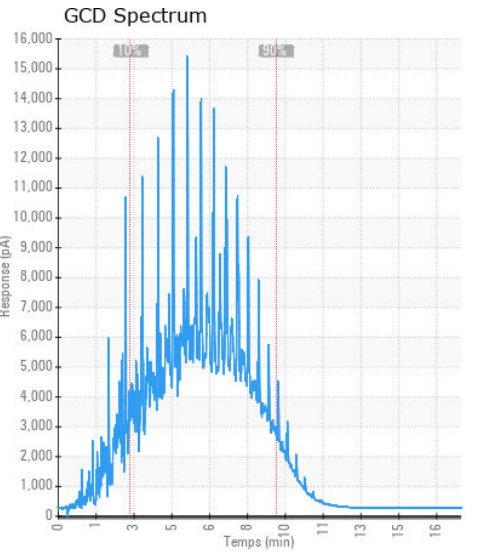
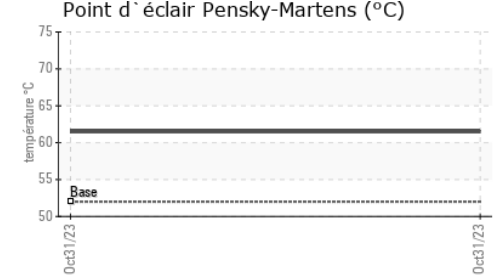
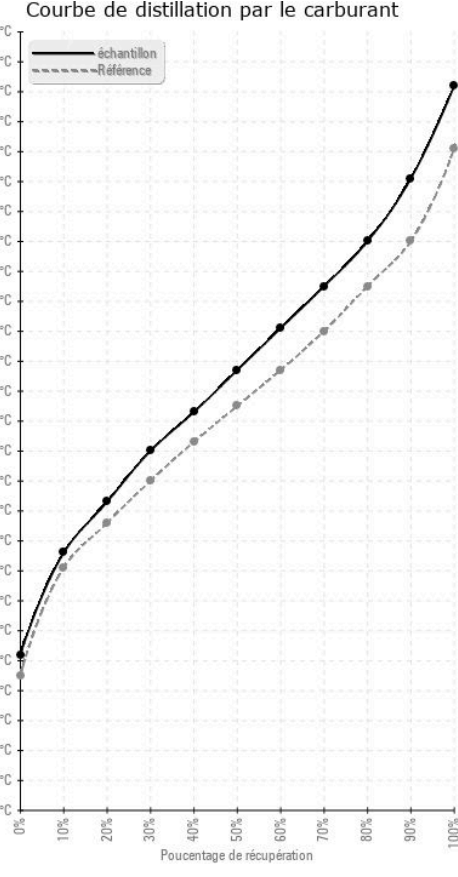
PROPRETÉ DU FLUIDE		methode	limite/base	actuel	passé1	passé2
Particules >4µ	ASTM D7647	>2500		<b>26994</b>	---	---
Particules >6µ	ASTM D7647	>640		<b>6725</b>	---	---
Particules >14µ	ASTM D7647	>80		<b>171</b>	---	---
Particules >21µ	ASTM D7647	>20		<b>20</b>	---	---
Particules >38µ	ASTM D7647	>4		<b>1</b>	---	---
Particules >71µ	ASTM D7647	>3		<b>0</b>	---	---
Propreté de l'huile	ISO 4406 (c)	>18/16/13		<b>22/20/15</b>	---	---



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	0	---
Vanadium	ppm	ASTM D5185(m)	<0.1	0	---
Fer	ppm	ASTM D5185(m)	<0.1	<1	---
Calcium	ppm	ASTM D5185(m)	<0.1	<1	---
Magnésium	ppm	ASTM D5185(m)	<0.1	0	---
Phosphore	ppm	ASTM D5185(m)	<0.1	<1	---
Zinc	ppm	ASTM D5185(m)	<0.1	<1	---

IMAGES DE L'ÉCHANTILLON	methode	limite/base	actuel	passé1	passé2
Coluer				no image	no image
Fond				no image	no image

## GRAPHIQUES



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CUMMINS EASTERN CANADA INC.**  
**N° d'échantillon** : CU0021660 **Reçu** : 31 Jan 2024 122 CLYDE AVENUE  
**N° de laboratoire** : 02612642 **Diagnostiqué** : 05 Feb 2024 MOUNT PEARL, NL  
**Numéro unique** : 5721737 **Diagnostiqueur** : Bill Quesnel CA A1N 4S3  
**Analyse** : FUEL ( Additional Tests: CC Flash, GC-PercFuel, PrtCount ) Contact: DARRYL CAREY  
 Pour discuter cette rapport, contacter le service à la clientèle au 1-800-268-2131. DARRYL.CAREY@CUMMINS.COM  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T: (709)747-1135  
 La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada. F: (709)747-1084