



# RAPPORT DU CARBURANT

CORROSSIONE	<b>NORMAL</b>
CONTAMINANTS	<b>SÉVÈRE</b>
ÉTAT DU CARBURANT	<b>NORMAL</b>

Identité de la machine

**VICTORIA 1**

Composant

**Carburant diesel 1**

Fluide

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

## 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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>CU</b>	CU0019858	CU0018642
Date d'échant.		Client Info		<b>19 Aug 2023</b>	10 Dec 2022	13 Nov 2021
Âge d la Machine	hrs	Client Info		<b>328</b>	0	628
Statut de l'échant.				<b>SEVERE</b>	SEVERE	SEVERE

## CORROSSIONE

{not applicable}

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

## CONTAMINANTS

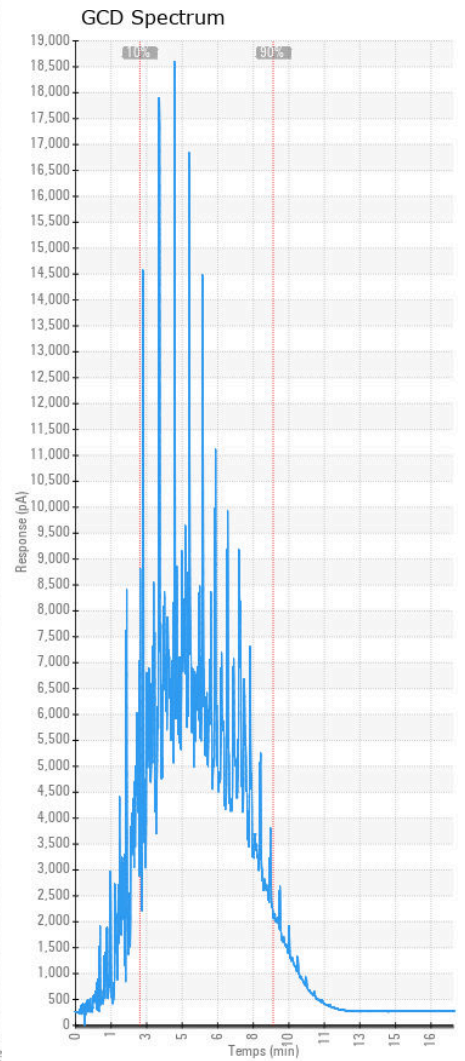
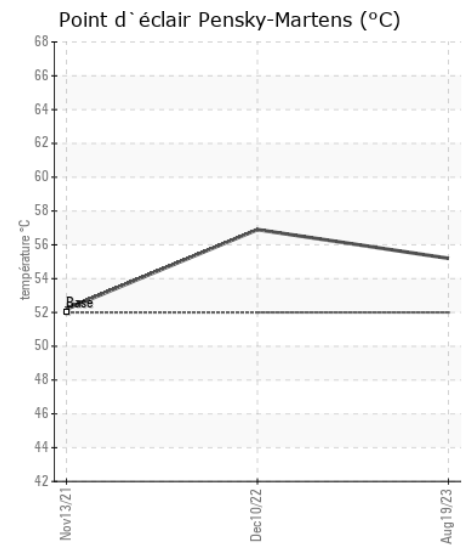
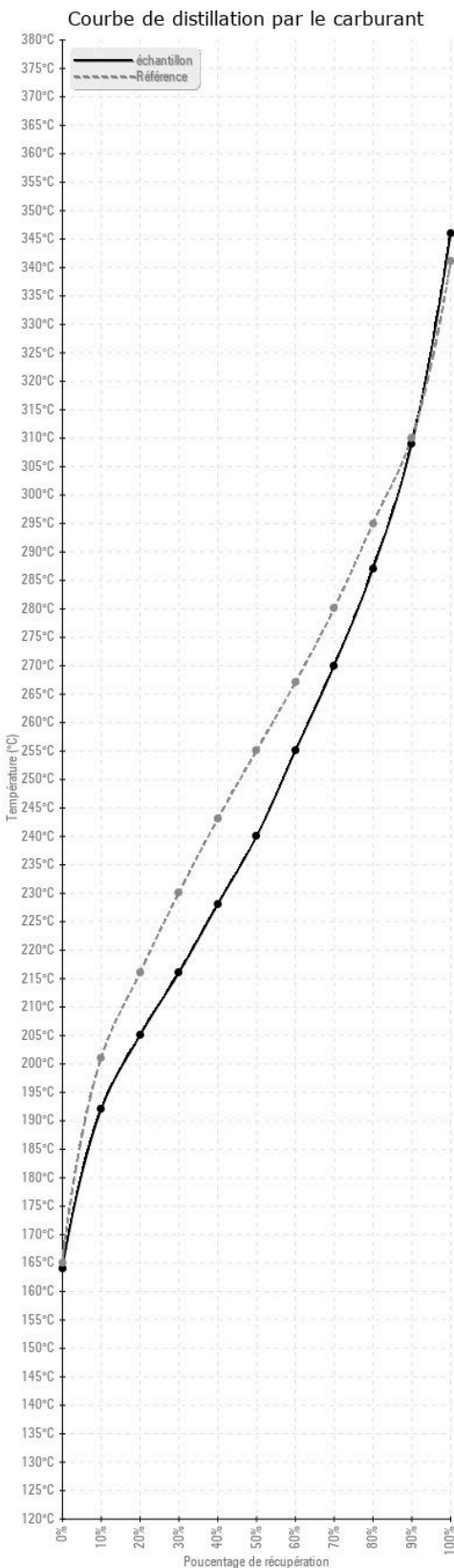
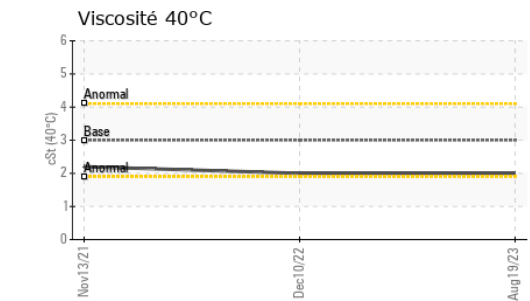
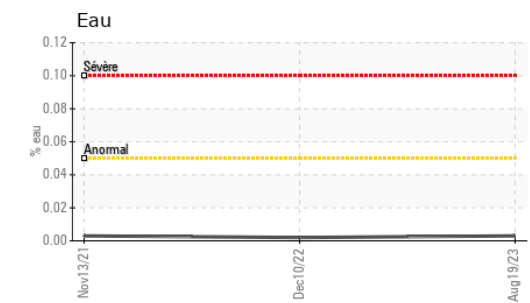
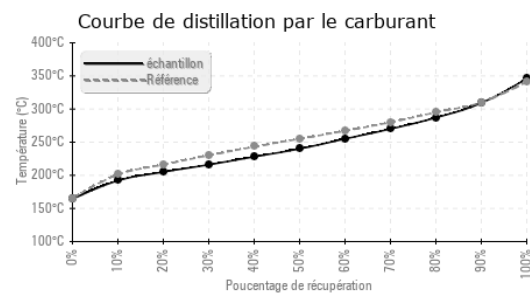
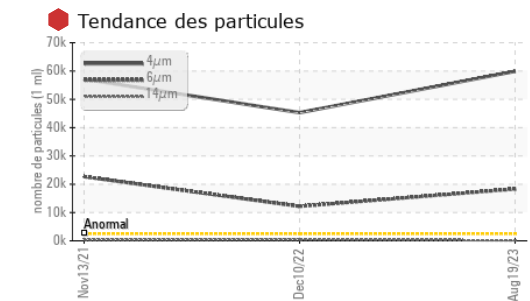
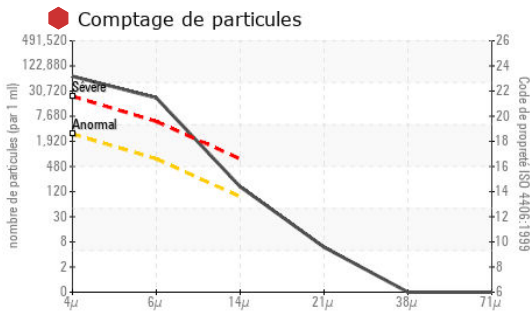
There is a high amount of silt (particulates < 14 microns in size) present in the fuel. The water content is negligible.

Silicium	ppm	ASTM D5185(m)	<1.0	<b>0</b>	0	0
Sodium	ppm	ASTM D5185(m)	<0.1	<b>&lt;1</b>	0	<1
Potassium	ppm	ASTM D5185(m)	<0.1	<b>&lt;1</b>	0	0
Eau	%	ASTM D6304*	<0.05	<b>0.003</b>	0.002	0.003
ppm d'eau	ppm	ASTM D6304*	<500	<b>30.9</b>	19.3	29.0
Particules >4µ		ASTM D7647	>2500	<b>59910</b>	45295	57132
Particules >6µ		ASTM D7647	>640	<b>18304</b>	12179	22687
Particules >14µ		ASTM D7647	>80	<b>139</b>	417	309
Particules >21µ		ASTM D7647	>20	<b>5</b>	45	8
Particules >38µ		ASTM D7647	>4	<b>0</b>	0	0
Particules >71µ		ASTM D7647	>3	<b>0</b>	0	0
Propreté de l'huile		ISO 4406 (c)	>18/16/13	<b>23/21/14</b>	23/21/16	23/22/15
Calcium	ppm	ASTM D5185(m)	<0.1	<b>0</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	<0.1	<b>0</b>	<1	<1
Phosphore	ppm	ASTM D5185(m)	<0.1	<b>0</b>	0	<1
Zinc	ppm	ASTM D5185(m)	<0.1	<b>0</b>	<1	<1

## 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.

Densité		ASTM D1298*	0.839	<b>0.824</b>	0.828	0.835
Couleur du carburant	text	Visual Screen*	Yellow	<b>Red</b>	Pink	Pink
Visc 40°C	cSt	ASTM D7279(m)	3.0	<b>2</b>	2	2.2
Point d'éclair Pensky-Martens	°C	ASTM D7215*	52	<b>55.2</b>	56.9	52.2
Soufre	ppm	ASTM D5185(m)	10	<b>8</b>	8	9
Point d'ébullition initial	°C	ASTM D2887*	165	<b>164</b>	166	155
Point de distillation de 10%	°C	ASTM D2887*	201	<b>192</b>	194	188
Point de distillation de 20%	°C	ASTM D2887*	216	<b>205</b>	209	204
Point de distillation de 30%	°C	ASTM D2887*	230	<b>216</b>	222	219
Point de distillation de 40%	°C	ASTM D2887*	243	<b>228</b>	236	233
Point de distillation de 50%	°C	ASTM D2887*	255	<b>240</b>	249	248
Point de distillation de 60%	°C	ASTM D2887*	267	<b>255</b>	262	263
Point de distillation de 70%	°C	ASTM D2887*	280	<b>270</b>	276	277
Point de distillation de 80%	°C	ASTM D2887*	295	<b>287</b>	291	293
Point de distillation de 90%	°C	ASTM D2887*	310	<b>309</b>	311	316
Point d'ébullition final	°C	ASTM D2887*	341	<b>346</b>	345	346
Densité API		ASTM D1298*	37.7	<b>40</b>	39	37
Indice de cétane		ASTM D4737*	<40.0	<b>49</b>	50	47



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : CU **Reçu** : 24 Aug 2023  
**N° de laboratoire** : 02578274 **Diagnostiqueur** : 28 Aug 2023  
**Numéro unique** : 5631334 **Diagnostiqueur** : Kevin Marson  
**Analyse** : FUEL ( Additional Tests: CC Flash, GC-PercFuel, PrtCount )

**CUMMINS EASTERN CANADA LP**  
 3189 SWANSEA CRESCENT  
 OTTAWA, ON  
 CA K1G 3W5  
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 F: x:

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.