



# FUEL REPORT

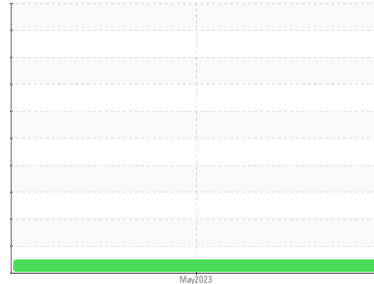
Sample Rating Trend

**NORMAL**



Area  
**[325234]**  
Machine Id  
**LIFE SAFETY**

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



## DIAGNOSIS

### Recommendation

Les tests de laboratoire indiquent que ce carburant peut être utilisé et qu'il répond à toutes les exigences. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

### Corrosion

(sans objet)

### 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.

### Fuel Condition

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).

SAMPLE INFORMATION		method	limit/base	current	history 1	history 2
Sample Number	Client Info			<b>CU0020353</b>	---	---
Sample Date	Client Info			<b>10 May 2023</b>	---	---
Machine Age	hrs	Client Info		<b>0</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

PHYSICAL PROPERTIES		method	limit/base	current	history 1	history 2
Specific Gravity		ASTM D1298*	0.839	<b>0.828</b>	---	---
Fuel Color	text	Visual Screen*	Yllow	<b>Red</b>	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	<b>2.1</b>	---	---
Pensky-Martens Flash Point	°C	ASTM D7215*	52	<b>54.7</b>	---	---

SULFUR CONTENT		method	limit/base	current	history 1	history 2
Sulfur	ppm	ASTM D5185(m)	10	<b>4</b>	---	---

DISTILLATION		method	limit/base	current	history 1	history 2
Initial Boiling Point	°C	ASTM D2887*	165	<b>164</b>	---	---
5% Distillation Point	°C	ASTM D2887*		<b>184</b>	---	---
10% Distill Point	°C	ASTM D2887*	201	<b>193</b>	---	---
15% Distillation Point	°C	ASTM D2887*		<b>200</b>	---	---
20% Distill Point	°C	ASTM D2887*	216	<b>206</b>	---	---
30% Distill Point	°C	ASTM D2887*	230	<b>219</b>	---	---
40% Distill Point	°C	ASTM D2887*	243	<b>230</b>	---	---
50% Distill Point	°C	ASTM D2887*	255	<b>242</b>	---	---
60% Distill Point	°C	ASTM D2887*	267	<b>256</b>	---	---
70% Distill Point	°C	ASTM D2887*	280	<b>269</b>	---	---
80% Distill Point	°C	ASTM D2887*	295	<b>285</b>	---	---
85% Distillation Point	°C	ASTM D2887*		<b>296</b>	---	---
90% Distill Point	°C	ASTM D2887*	310	<b>307</b>	---	---
95% Distillation Point	°C	ASTM D2887*		<b>325</b>	---	---
Final Boiling Point	°C	ASTM D2887*	341	<b>345</b>	---	---

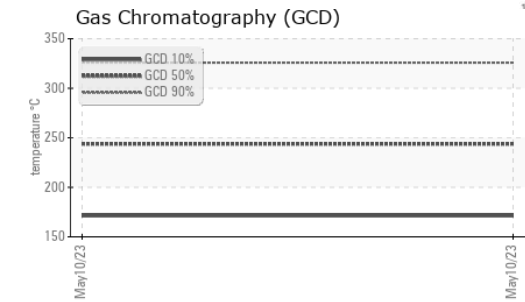
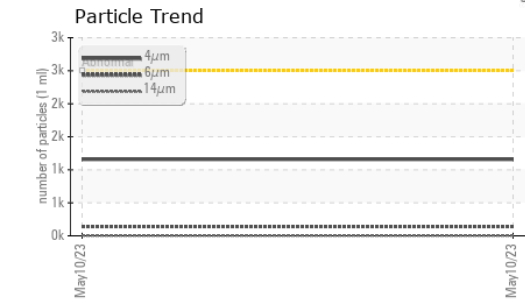
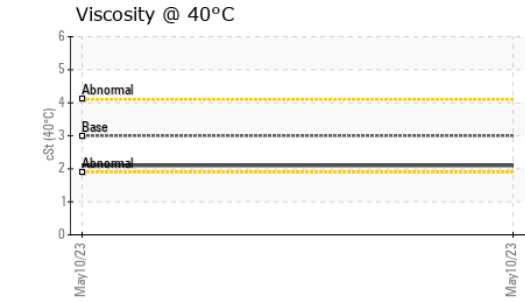
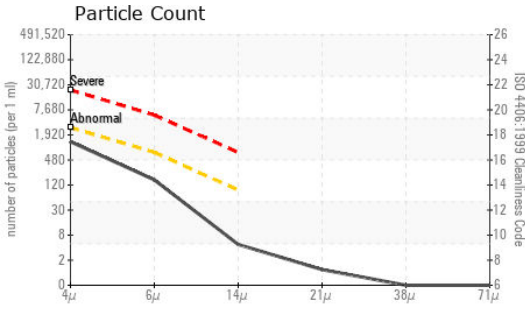
IGNITION QUALITY		method	limit/base	current	history 1	history 2
API Gravity		ASTM D1298*	37.7	<b>39</b>	---	---
Cetane Index		ASTM D4737*	<40.0	<b>48</b>	---	---

CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	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>0</b>	---	---
Water	%	ASTM D6304*	<0.05	<b>0.001</b>	---	---
ppm Water	ppm	ASTM D6304*	<500	<b>9.6</b>	---	---

FLUID CLEANLINESS		method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647	>2500	<b>1158</b>	---	---
Particles >6µm		ASTM D7647	>640	<b>141</b>	---	---
Particles >14µm		ASTM D7647	>80	<b>4</b>	---	---
Particles >21µm		ASTM D7647	>20	<b>1</b>	---	---
Particles >38µm		ASTM D7647	>4	<b>0</b>	---	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<b>17/14/9</b>	---	---



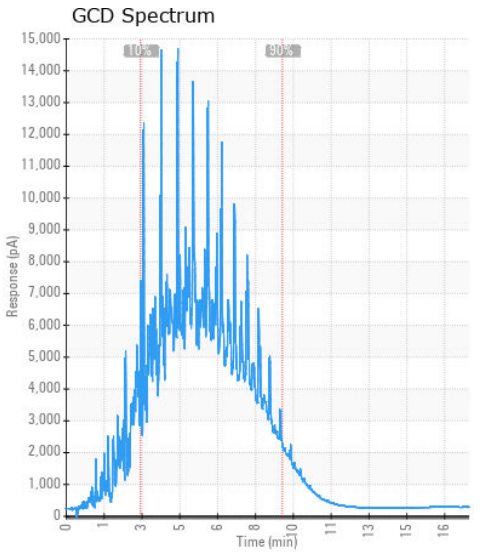
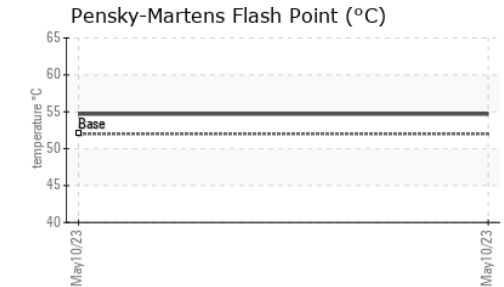
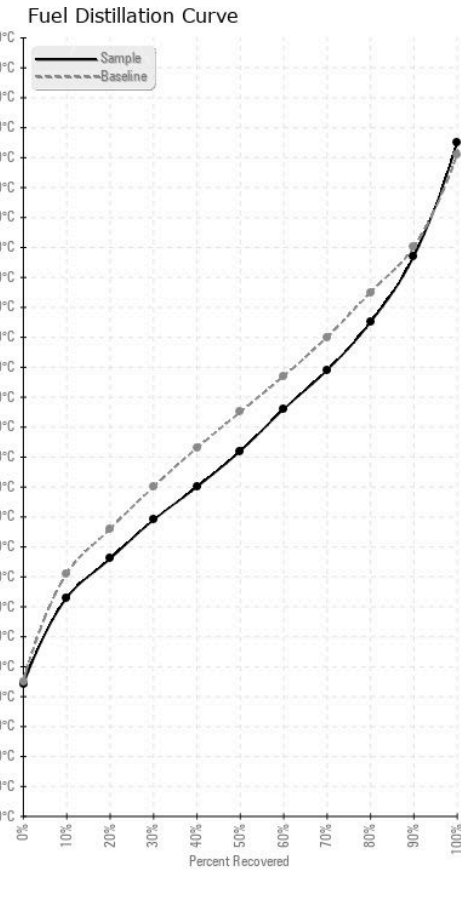
# FUEL REPORT



HEAVY METALS	method	limit/base	current	history 1	history 2
Aluminum	ppm	ASTM D5185(m)	<0.1	0	---
Nickel	ppm	ASTM D5185(m)	<0.1	0	---
Lead	ppm	ASTM D5185(m)	<0.1	0	---
Vanadium	ppm	ASTM D5185(m)	<0.1	0	---
Iron	ppm	ASTM D5185(m)	<0.1	<1	---
Calcium	ppm	ASTM D5185(m)	<0.1	<1	---
Magnesium	ppm	ASTM D5185(m)	<0.1	<1	---
Phosphorus	ppm	ASTM D5185(m)	<0.1	<1	---
Zinc	ppm	ASTM D5185(m)	<0.1	<1	---

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : CU0020353  
**Lab Number** : 02557145  
**Unique Number** : 5578185  
**Test Package** : FUEL ( Additional Tests: CC Flash, GC-PercFuel, PrtCount )

**CUMMINS EASTERN CANADA LP**  
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 CANDIAC, QC  
 CA J5R 6Z7  
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 T:  
 F: (450)638-6731

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.