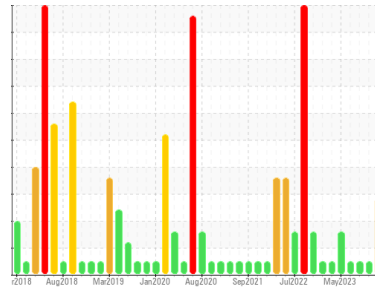




# FUEL REPORT

Sample Rating Trend



**WATER**



Machine Id  
**TDT837201 DIESEL DAY TANK (SPG 600)**  
 Component  
**Diesel Fuel**  
 Fluid  
**No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)**

## DIAGNOSIS

### Recommendation

We advise that you check for the source of water entry. We advise that you filter this fluid before use. We advise that you follow the water drain-off procedure for this component. We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

### Contaminants

There is a light amount of silt (particulates < 14 microns in size) present in the fuel. Free water present. There is no bacteria or fungus (yeast and/or mold) present in the sample.

### Fuel Condition

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).

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PP13941989</b>	PP13920747	PP13899605
Sample Date	Client Info		<b>07 Jan 2024</b>	07 Nov 2023	06 Aug 2023
Machine Age	hrs	Client Info	<b>0</b>	0	0
Sample Status			<b>ABNORMAL</b>	NORMAL	NORMAL

PHYSICAL PROPERTIES	method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*	0.839	<b>0.843</b>	0.843	0.844
Fuel Color	text	Visual Screen*	<b>Yellow</b>	Yellow	Yellow
Visc @ 40°C	cSt	ASTM D7279(m)	<b>3.0</b>	2.7	2.9
Pensky-Martens Flash Point	°C	ASTM D7215*	<b>52</b>	65.7	---

SULFUR CONTENT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	<b>10</b>	9	9

DISTILLATION	method	limit/base	current	history1	history2	
Initial Boiling Point	°C	ASTM D2887*	165	<b>177</b>	177	177
5% Distillation Point	°C	ASTM D2887*		<b>200</b>	199	201
10% Distill Point	°C	ASTM D2887*	201	<b>211</b>	210	212
15% Distillation Point	°C	ASTM D2887*		<b>219</b>	218	220
20% Distill Point	°C	ASTM D2887*	216	<b>227</b>	226	228
30% Distill Point	°C	ASTM D2887*	230	<b>241</b>	240	242
40% Distill Point	°C	ASTM D2887*	243	<b>254</b>	252	255
50% Distill Point	°C	ASTM D2887*	255	<b>266</b>	264	267
60% Distill Point	°C	ASTM D2887*	267	<b>279</b>	277	280
70% Distill Point	°C	ASTM D2887*	280	<b>292</b>	291	293
80% Distill Point	°C	ASTM D2887*	295	<b>307</b>	306	308
85% Distillation Point	°C	ASTM D2887*		<b>318</b>	316	318
90% Distill Point	°C	ASTM D2887*	310	<b>329</b>	327	329
95% Distillation Point	°C	ASTM D2887*		<b>348</b>	346	346
Final Boiling Point	°C	ASTM D2887*	341	<b>374</b>	367	371

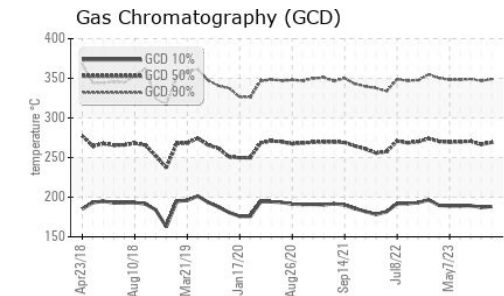
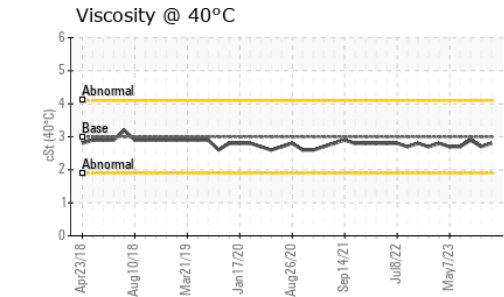
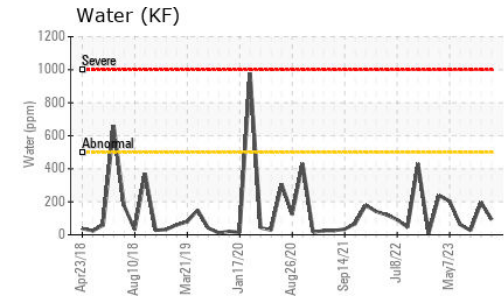
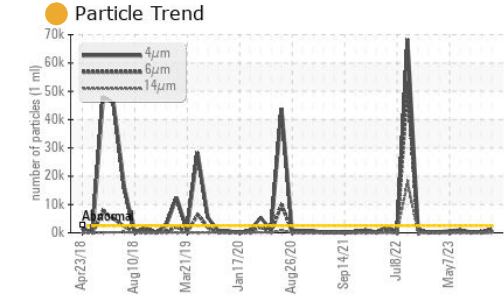
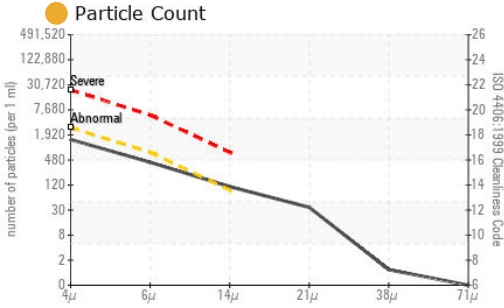
IGNITION QUALITY	method	limit/base	current	history1	history2
API Gravity	ASTM D1298*	37.7	<b>36</b>	36	36
Cetane Index	ASTM D4737*	<40.0	<b>49</b>	48	48

CONTAMINANTS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	<1.0	<b>0</b>	0	0
Sodium	ppm	ASTM D5185(m)	<0.1	<b>0</b>	0	0
Potassium	ppm	ASTM D5185(m)	<0.1	<b>0</b>	<1	<1
Water	%	ASTM D6304*	<0.05	<b>0.009</b>	0.019	0.003
ppm Water	ppm	ASTM D6304*	<500	<b>93</b>	196	26.0

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	<b>1299</b>	420	300
Particles >6µm	ASTM D7647	>640	<b>371</b>	76	84
Particles >14µm	ASTM D7647	>80	<b>97</b>	4	7
Particles >21µm	ASTM D7647	>20	<b>31</b>	1	2
Particles >38µm	ASTM D7647	>4	<b>1</b>	0	0
Particles >71µm	ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c)	>18/16/13	<b>17/16/14</b>	16/13/9	15/14/10



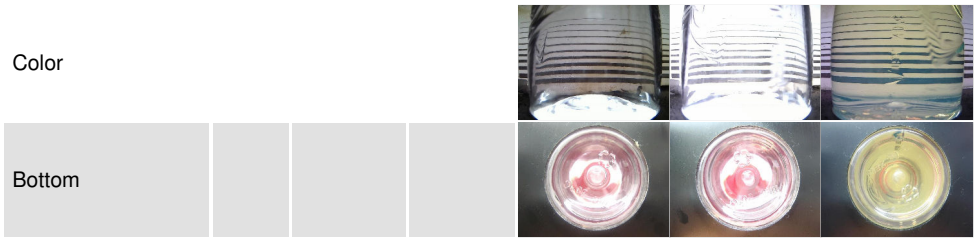
# FUEL REPORT



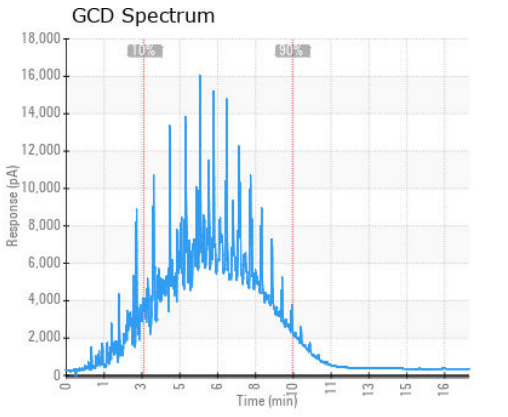
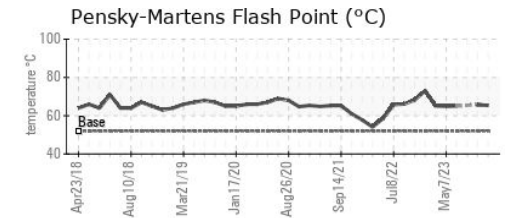
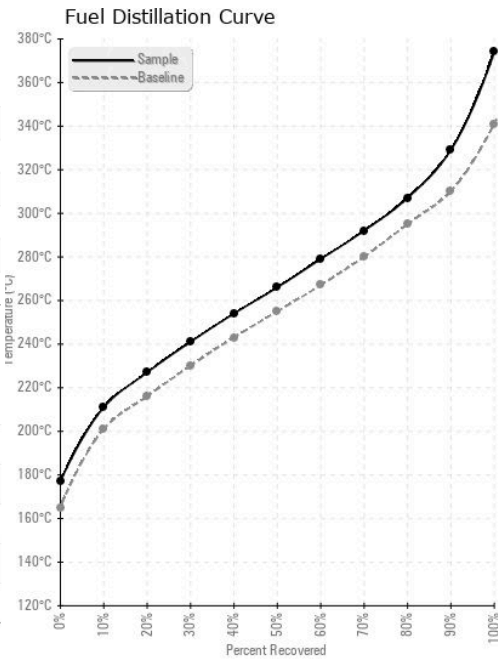
MICROBIAL	method	limit/base	current	history1	history2
Bacteria	CFU/ml ASTM D6469*	>=100000	0	---	---
Yeast	CFU/ml ASTM D6469*	>=100000	0	---	---
Mold	Colonies ASTM D6469*	MODER	NONE	---	---

HEAVY METALS	method	limit/base	current	history1	history2
Aluminum	ppm ASTM D5185(m)	<0.1	0	0	0
Nickel	ppm ASTM D5185(m)	<0.1	0	0	0
Lead	ppm ASTM D5185(m)	<0.1	0	0	0
Vanadium	ppm ASTM D5185(m)	<0.1	0	0	0
Iron	ppm ASTM D5185(m)	<0.1	0	<1	<1
Calcium	ppm ASTM D5185(m)	<0.1	<1	<1	<1
Magnesium	ppm ASTM D5185(m)	<0.1	0	0	0
Phosphorus	ppm ASTM D5185(m)	<0.1	<1	<1	<1
Zinc	ppm ASTM D5185(m)	<0.1	0	<1	<1

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PP13941989  
**Lab Number** : 02625833  
**Unique Number** : 5750952  
**Test Package** : FUEL ( Additional Tests: Bacteria, CC Flash, PrtCount )

**ExxonMobil Canada East Ltd.**  
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 CA A1C 6K3  
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 T: (709)273-3729  
 F:

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.