



FUEL REPORT

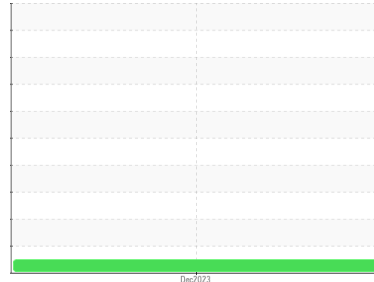
Sample Rating Trend

NORMAL



Area
[328823]
Machine Id
NO UNIT CU0021602

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	history1	history2
Sample Number	Client Info			CU0021602	---	---
Sample Date	Client Info			10 Dec 2023	---	---
Machine Age	hrs	Client Info		0	---	---
Sample Status				NORMAL	---	---

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.822	---	---
Fuel Color	text	Visual Screen*	Yellow	Red	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	1.9	---	---
Pensky-Martens Flash Point	°C	ASTM D7215*	52	53.8	---	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	8	---	---

DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	162	---	---
5% Distillation Point	°C	ASTM D2887*		180	---	---
10% Distill Point	°C	ASTM D2887*	201	187	---	---
15% Distillation Point	°C	ASTM D2887*		193	---	---
20% Distill Point	°C	ASTM D2887*	216	199	---	---
30% Distill Point	°C	ASTM D2887*	230	210	---	---
40% Distill Point	°C	ASTM D2887*	243	221	---	---
50% Distill Point	°C	ASTM D2887*	255	233	---	---
60% Distill Point	°C	ASTM D2887*	267	246	---	---
70% Distill Point	°C	ASTM D2887*	280	259	---	---
80% Distill Point	°C	ASTM D2887*	295	277	---	---
85% Distillation Point	°C	ASTM D2887*		291	---	---
90% Distill Point	°C	ASTM D2887*	310	305	---	---
95% Distillation Point	°C	ASTM D2887*		329	---	---
Final Boiling Point	°C	ASTM D2887*	341	358	---	---

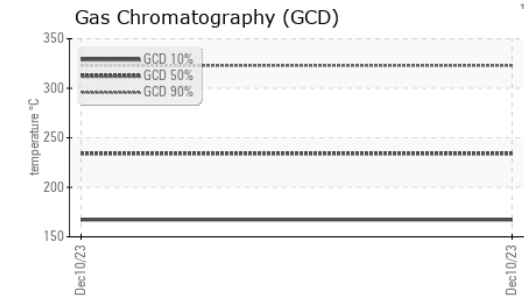
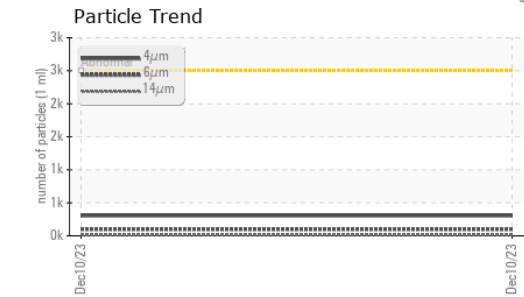
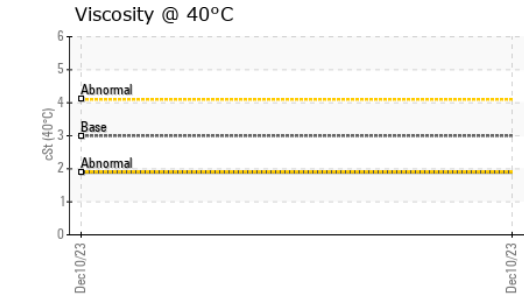
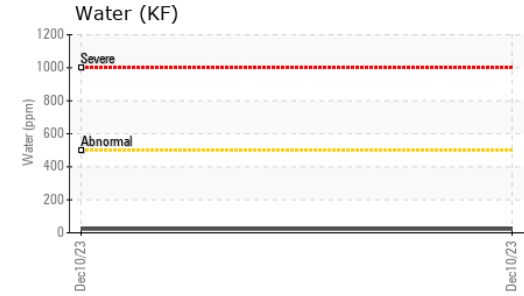
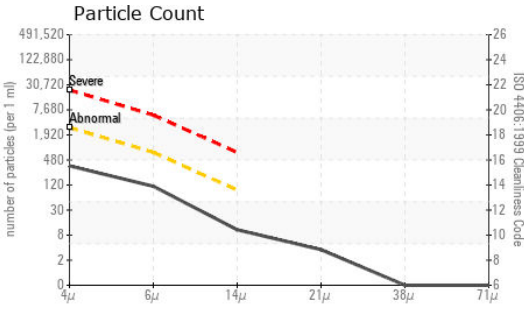
IGNITION QUALITY		method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	40	---	---
Cetane Index		ASTM D4737*	<40.0	48	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	0	---	---
Sodium	ppm	ASTM D5185(m)	<0.1	0	---	---
Potassium	ppm	ASTM D5185(m)	<0.1	<1	---	---
Water	%	ASTM D6304*	<0.05	0.002	---	---
ppm Water	ppm	ASTM D6304*	<500	23	---	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	305	---	---
Particles >6µm		ASTM D7647	>640	99	---	---
Particles >14µm		ASTM D7647	>80	9	---	---
Particles >21µm		ASTM D7647	>20	3	---	---
Particles >38µm		ASTM D7647	>4	0	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	15/14/10	---	---



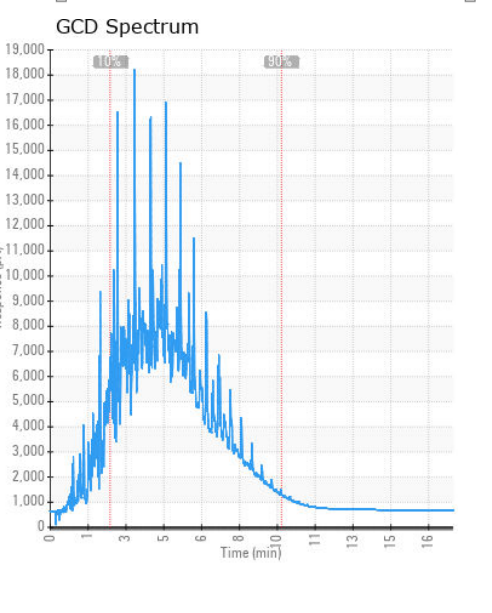
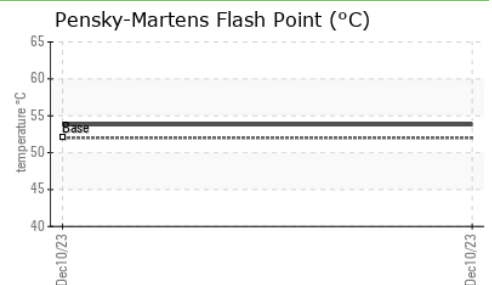
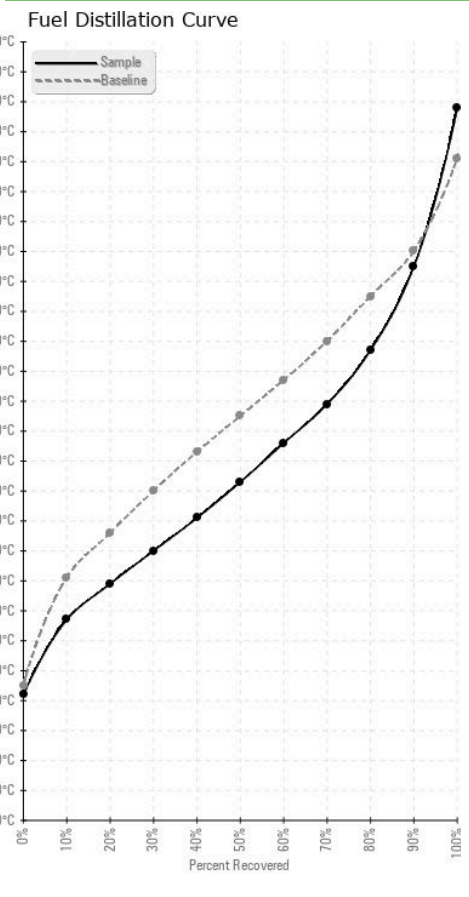
FUEL REPORT



HEAVY METALS	method	limit/base	current	history1	history2
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	0	---
Magnesium	ppm	ASTM D5185(m)	<0.1	0	---
Phosphorus	ppm	ASTM D5185(m)	<0.1	<1	---
Zinc	ppm	ASTM D5185(m)	<0.1	0	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CU0021602 **Received** : 11 Dec 2023
Lab Number : **02602455** **Diagnosed** : 13 Dec 2023
Unique Number : 5695540 **Diagnostician** : Kevin Marson
Test Package : FUEL (Additional Tests: CC Flash, GC-PercFuel, PrtCount)

CUMMINS EASTERN CANADA LP
 315 AV LIBERTE
 CANDIAC, QC
 CA J5R 6Z7
 Contact: Thomas Owens
 is275@cummins.com
 T: (450)638-6863
 F: (450)638-1202

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.