



FUEL REPORT

Sample Rating Trend



ISO



Area
EQUINOX [155429]
 Machine Id
8DM01078
 Component
Diesel Fuel
 Fluid
No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)

DIAGNOSIS

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			CU0023345	---	---
Sample Date	Client Info			08 May 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Sample Status				ATTENTION	---	---

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.842	---	---
Fuel Color	text	Visual Screen*	Yllow	Pink	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.4	---	---
Pensky-Martens Flash Point	°C	ASTM D7215*	52	59.4	---	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	11	---	---

DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	171	---	---
5% Distillation Point	°C	ASTM D2887*		194	---	---
10% Distill Point	°C	ASTM D2887*	201	204	---	---
15% Distillation Point	°C	ASTM D2887*		211	---	---
20% Distill Point	°C	ASTM D2887*	216	218	---	---
30% Distill Point	°C	ASTM D2887*	230	231	---	---
40% Distill Point	°C	ASTM D2887*	243	243	---	---
50% Distill Point	°C	ASTM D2887*	255	255	---	---
60% Distill Point	°C	ASTM D2887*	267	267	---	---
70% Distill Point	°C	ASTM D2887*	280	280	---	---
80% Distill Point	°C	ASTM D2887*	295	295	---	---
85% Distillation Point	°C	ASTM D2887*		305	---	---
90% Distill Point	°C	ASTM D2887*	310	316	---	---
95% Distillation Point	°C	ASTM D2887*		333	---	---
Final Boiling Point	°C	ASTM D2887*	341	360	---	---

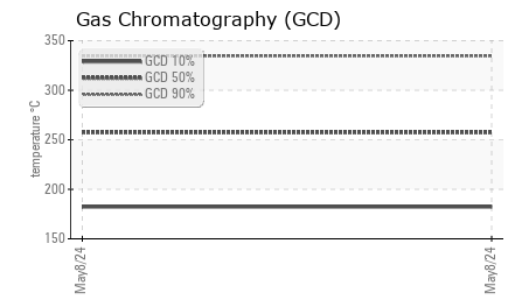
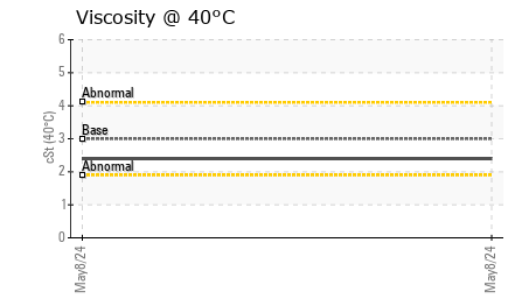
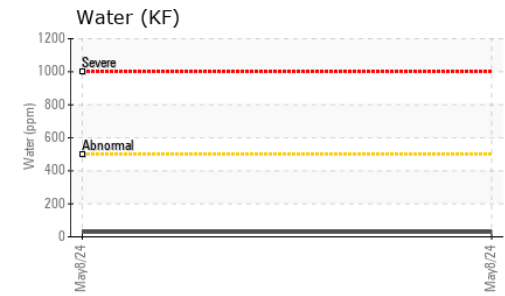
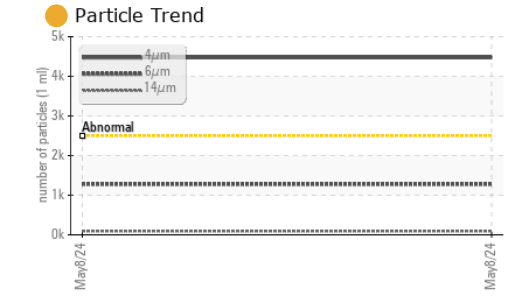
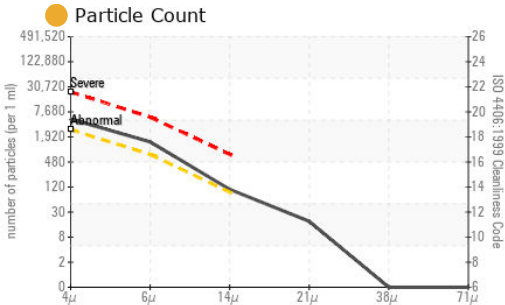
IGNITION QUALITY		method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	36	---	---
Cetane Index		ASTM D4737*	<40.0	46	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	0	---	---
Sodium	ppm	ASTM D5185(m)	<0.1	<1	---	---
Potassium	ppm	ASTM D5185(m)	<0.1	0	---	---
Water	%	ASTM D6304*	<0.05	0.003	---	---
ppm Water	ppm	ASTM D6304*	<500	29	---	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	● 4472	---	---
Particles >6µm		ASTM D7647	>640	● 1279	---	---
Particles >14µm		ASTM D7647	>80	● 93	---	---
Particles >21µm		ASTM D7647	>20	16	---	---
Particles >38µm		ASTM D7647	>4	0	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	● 19/17/14	---	---



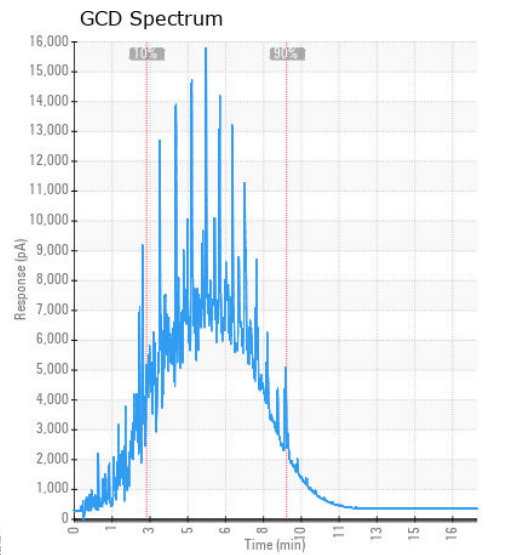
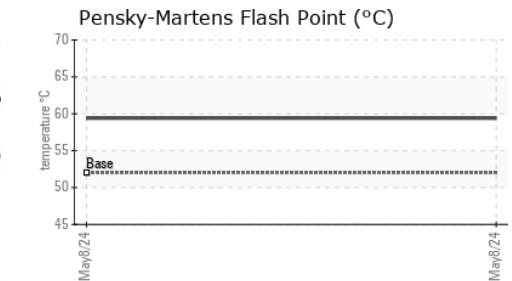
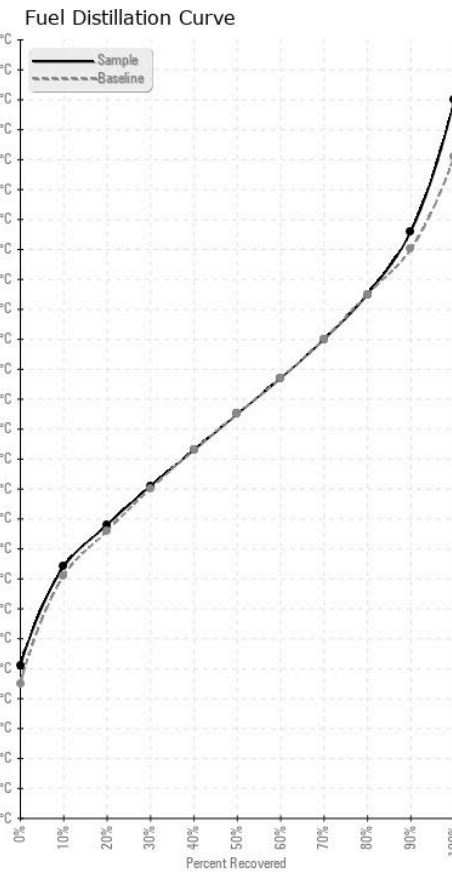
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HEAVY METALS	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)	<0.1	0	---
Nickel	ppm	ASTM D5185(m)	<0.1	0	---
Lead	ppm	ASTM D5185(m)	<0.1	0	---
Vanadium	ppm	ASTM D5185(m)	<0.1	0	---
Iron	ppm	ASTM D5185(m)	<0.1	0	---
Calcium	ppm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

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 **CUMMINS CANADA ULC - GENERATOR DIVISION**
Sample No. : CU0023345 **Received** : 10 Jun 2024 **7175 PACIFIC CIRCLE**
Lab Number : 02640923 **Tested** : 12 Jun 2024 **MISSISSAUGA, ON**
Unique Number : 5798462 **Diagnosed** : 12 Jun 2024 - Kevin Marson **CA L5T 2A5**
Test Package : FUEL (Additional Tests: CC Flash, PrtCount) **Contact: Elisia Johnson**
elisia.johnson@cummins.com

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.