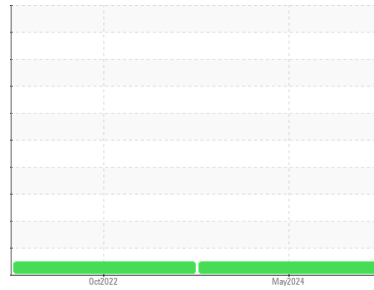




FUEL REPORT

Sample Rating Trend



NORMAL



Area
ROGERS CALL CENTRE [154384]
 Machine Id
CUMMINS
 Component
Diesel Fuel
 Fluid
No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)

DIAGNOSIS

Recommendation

Laboratory test indicate that this fuel is suitable for use and meets all test requirements. Resample at the next service interval to monitor.

Contaminants

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. There is no indication of any contamination in the diesel fuel.

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			CU002289	CU0020121	---
Sample Date	Client Info			23 May 2024	13 Oct 2022	---
Machine Age	hrs	Client Info		268	230	---
Sample Status				NORMAL	NORMAL	---

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.840	0.838	---
Fuel Color	text	Visual Screen*	Yellow	LtRed	Pink	---
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.3	2.3	---
Pensky-Martens Flash Point	°C	ASTM D7215*	52	55	55.9	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	7	8	---

DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	166	167	---
5% Distillation Point	°C	ASTM D2887*		188	189	---
10% Distill Point	°C	ASTM D2887*	201	198	198	---
15% Distillation Point	°C	ASTM D2887*		205	204	---
20% Distill Point	°C	ASTM D2887*	216	211	211	---
30% Distill Point	°C	ASTM D2887*	230	225	224	---
40% Distill Point	°C	ASTM D2887*	243	237	236	---
50% Distill Point	°C	ASTM D2887*	255	250	248	---
60% Distill Point	°C	ASTM D2887*	267	263	262	---
70% Distill Point	°C	ASTM D2887*	280	277	275	---
80% Distill Point	°C	ASTM D2887*	295	294	292	---
85% Distillation Point	°C	ASTM D2887*		306	303	---
90% Distill Point	°C	ASTM D2887*	310	318	314	---
95% Distillation Point	°C	ASTM D2887*		337	331	---
Final Boiling Point	°C	ASTM D2887*	341	369	351	---

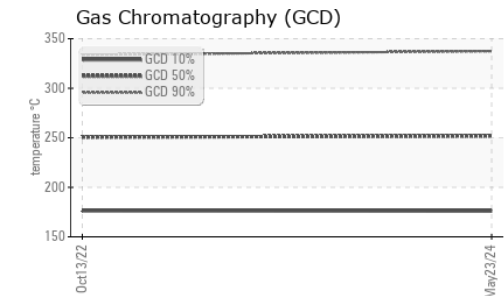
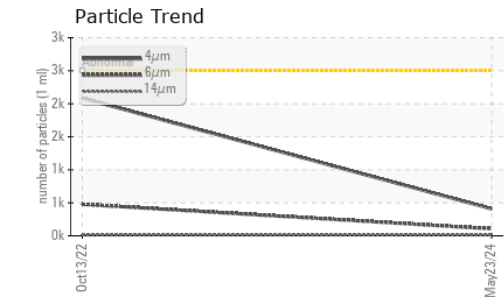
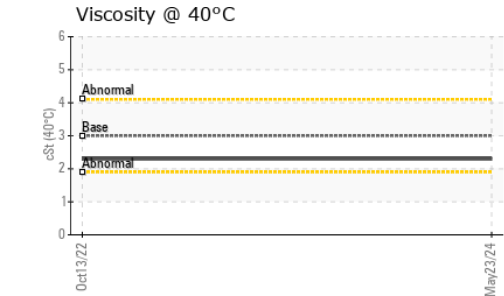
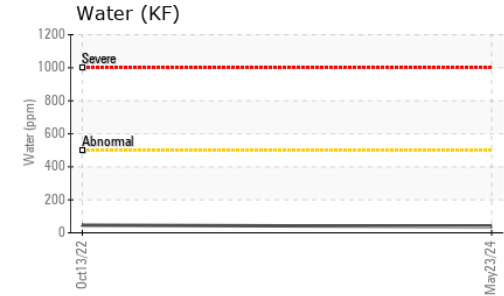
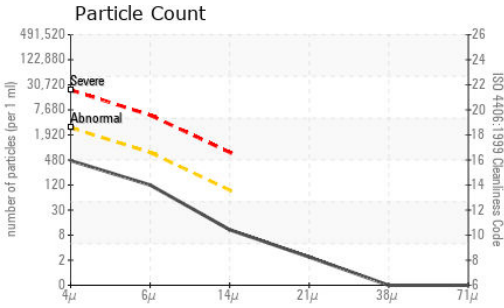
IGNITION QUALITY		method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	36	37	---
Cetane Index		ASTM D4737*	<40.0	46	46	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	0	0	---
Sodium	ppm	ASTM D5185(m)	<0.1	0	0	---
Potassium	ppm	ASTM D5185(m)	<0.1	0	0	---
Water	%	ASTM D6304*	<0.05	0.003	0.004	---
ppm Water	ppm	ASTM D6304*	<500	38	46.5	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	408	2085	---
Particles >6µm		ASTM D7647	>640	106	477	---
Particles >14µm		ASTM D7647	>80	9	12	---
Particles >21µm		ASTM D7647	>20	2	2	---
Particles >38µm		ASTM D7647	>4	0	0	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	16/14/10	18/16/11	---

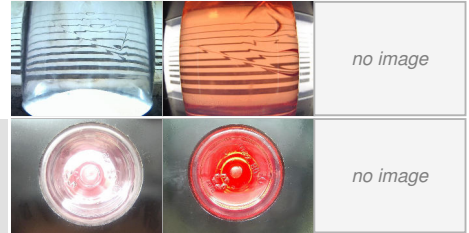


FUEL REPORT

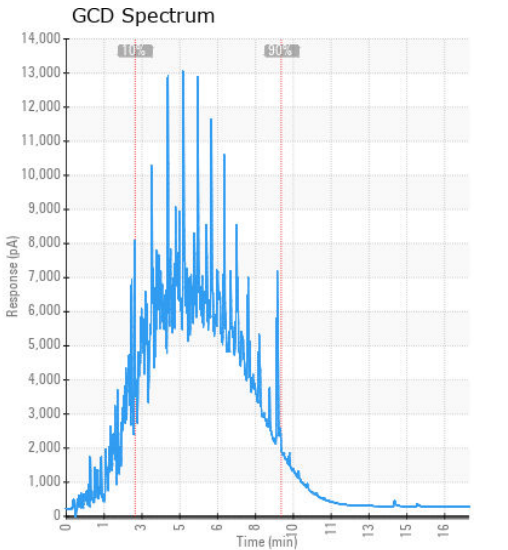
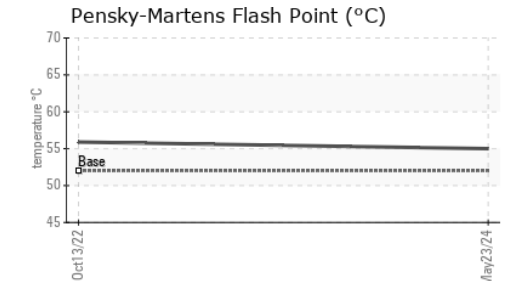
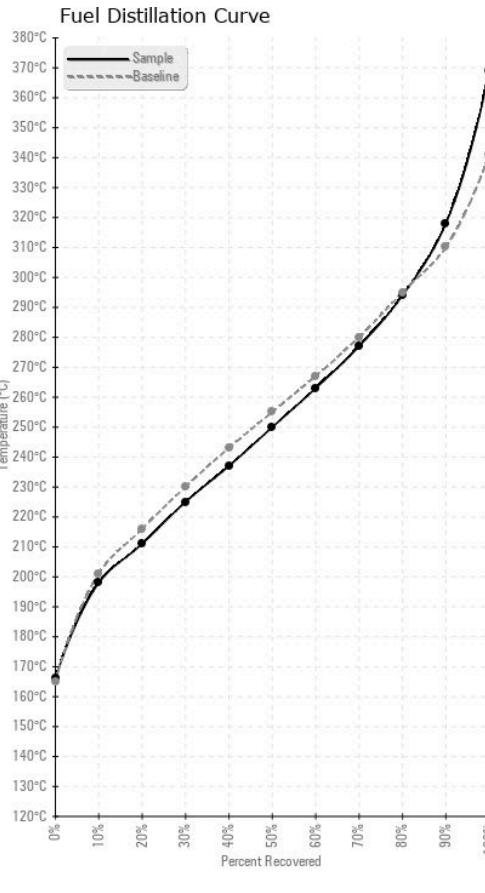


HEAVY METALS	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)	<0.1	0	---
Nickel	ppm	ASTM D5185(m)	<0.1	0	---
Lead	ppm	ASTM D5185(m)	<0.1	0	---
Vanadium	ppm	ASTM D5185(m)	<0.1	0	---
Iron	ppm	ASTM D5185(m)	<0.1	<1	---
Calcium	ppm	ASTM D5185(m)	<0.1	<1	---
Magnesium	ppm	ASTM D5185(m)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



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CUMMINS CANADA ULC - GENERATOR DIVISION**
Sample No. : CU0022889 **Received** : 24 Jun 2024 **7175 PACIFIC CIRCLE**
Lab Number : **02643847** **Tested** : 26 Jun 2024 **MISSISSAUGA, ON**
Unique Number : 5801386 **Diagnosed** : 26 Jun 2024 - Kevin Marson **CA L5T 2A5**
Test Package : FUEL (Additional Tests: CC Flash, PrtCount) **Contact: Elisia Johnson**
To discuss this sample report, contact Customer Service at 1-800-268-2131. **elisia.johnson@cummins.com**
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. **T: (905)795-0050**
Validity of results and interpretation are based on the sample and information as supplied. **F: (905)795-9252**