

FUEL REPORT

Area QTS ATLANTA GA DC2 [4816] [QTS ATLANTA GA DC2] D1

Diesel Fuel

Fluid No.2 DIESEL FUEL (ULTRALOW SULPHUR) (9000 GAL)

DIAGNOSIS

Recommendation

All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel.

Corrosion

All metal levels are normal indicating no corrosion in the system.

Contaminants

There is no bacteria or fungus (yeast and/or mold) indicated in the sample. The water content is negligible. There is no indication of any contamination in the fuel. The amount and size of particulates present in the system are acceptable.

Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.



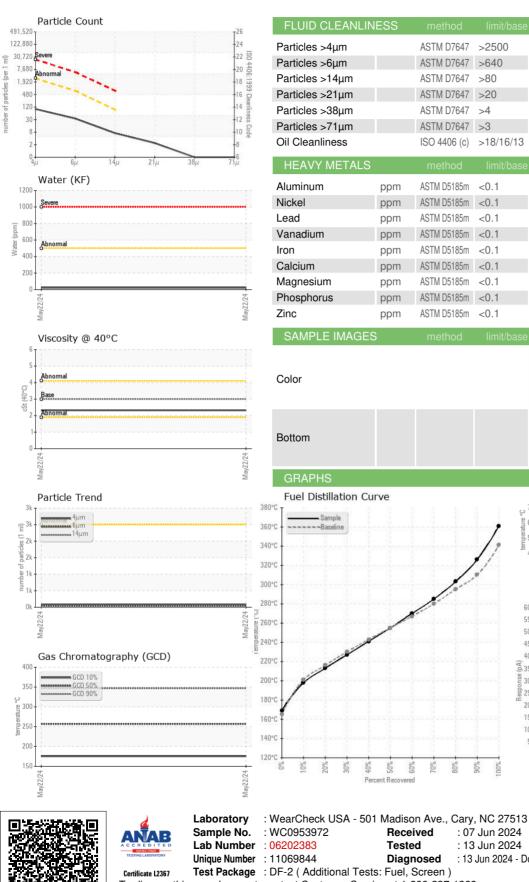
Sample Rating Trend



SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0953972		
Sample Date		Client Info		22 May 2024		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	Yllow	Red		
ASTM Color	scalar	*ASTM D1500		L4.5		
Visc @ 40°C	cSt	ASTM D445	3.0	2.32		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	58.4		
SULFUR CONTER	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0		
Sulfur (UVF)	ppm	ASTM D5453		8		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	169		
5% Distillation Point	°C	ASTM D86		188		
10% Distill Point	°C	ASTM D86	201	198		
15% Distillation Point	°C	ASTM D86		205		
20% Distill Point	°C	ASTM D86	216	213		
30% Distill Point	°C	ASTM D86	230	227		
40% Distill Point	°C	ASTM D86	243	241		
50% Distill Point	°C	ASTM D86	255	255		
60% Distill Point	°C	ASTM D86	267	270		
70% Distill Point	°C	ASTM D86	280	285		
80% Distill Point	°C	ASTM D86	295	303		
85% Distillation Point	°C	ASTM D86		314		
90% Distill Point	°C	ASTM D86	310	326		
95% Distillation Point	°C	ASTM D86		345		
Final Boiling Point	°C	ASTM D86	341	361		
IGNITION QUALI	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	37		
Cetane Index		ASTM D4737	<40.0	48		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0		
Sodium	ppm	ASTM D5185m	<0.1	<1		
Potassium	ppm	ASTM D5185m	<0.1	1		
Water	%	ASTM D6304	<0.05	0.002		
ppm Water	ppm	ASTM D6304	<500	22		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



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FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	86		
Particles >6µm		ASTM D7647	>640	30		
Particles >14µm		ASTM D7647	>80	6		
Particles >21µm		ASTM D7647	>20	2		
Particles >38µm		ASTM D7647	>4	0		
Particles >71μm		ASTM D7647	>3	0		
Dil Cleanliness		ISO 4406 (c)	>18/16/13	14/12/10		
HEAVY METALS		method	limit/base	current	history1	history2
luminum	ppm	ASTM D5185m	<0.1	0		
lickel	ppm	ASTM D5185m	<0.1	0		
ead	ppm	ASTM D5185m	<0.1	0		
anadium	ppm	ASTM D5185m	<0.1	0		
on	ppm	ASTM D5185m	<0.1	0		
alcium	ppm			0		
lagnesium	ppm	ASTM D5185m	<0.1	0		
hosphorus	ppm			0		
inc	ppm	ASTM D5185m	<0.1	2		
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Solor Bottom					no image no image	no image no image
GRAPHS Fuel Distillation Cu	irve		ture °C	70 T	ns Flash Point (°C)
A CONTRACTOR OF THE OWNER	/		66 51 50 41	GCD Spectrur	n SUE 1	May22/24
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: 07 Jun 2024 Received Lab Number : 06202383 Tested : 13 Jun 2024 Unique Number : 11069844 Diagnosed : 13 Jun 2024 - Doug Bogart Test Package : DF-2 (Additional Tests: Fuel, Screen) To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Perce nt Recovered

10% 20% 30% 40% 20% 80% %0L 80% 90%

> PETROLEUM RECOVERY SERVICES 210 POWELL DR SUMMERVILLE, SC US 29483 Contact: AJAY EL Ajay@prsfuel.com T: (843)225-1777 F:

Report Id: PETSUM [WUSCAR] 06202383 (Generated: 06/15/2024 07:13:58) Rev: 1

Contact/Location: AJAY EL - PETSUM

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Time (min)