

FUEL REPORT

Area QTS ATLANTA GA DC2 [4819] [QTS ATLANTA GA DC2] D4

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.



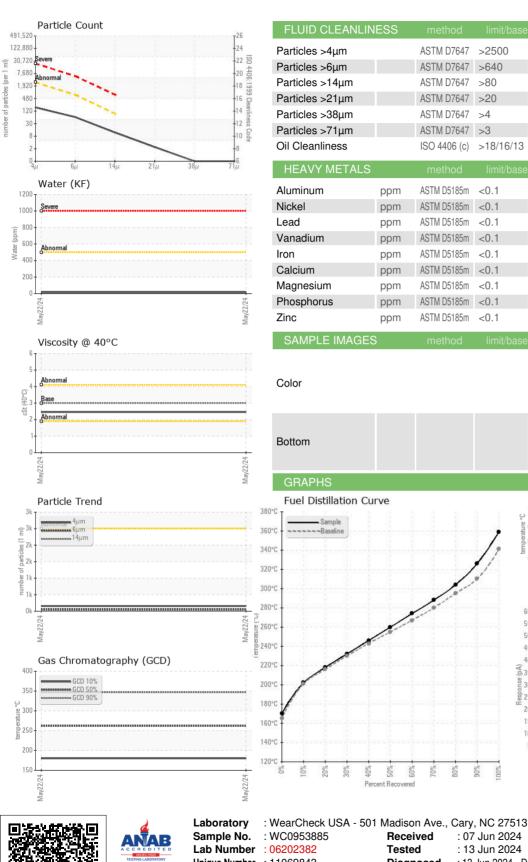
Sample Rating Trend



SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0953885		
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	2.46		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	59.2		
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	170		
5% Distillation Point	°C	ASTM D86		192		
10% Distill Point	°C	ASTM D86	201	202		
15% Distillation Point	°C	ASTM D86		210		
20% Distill Point	°C	ASTM D86	216	218		
30% Distill Point	°C	ASTM D86	230	232		
40% Distill Point	°C	ASTM D86	243	246		
50% Distill Point	°C	ASTM D86	255	260		
60% Distill Point	°C	ASTM D86	267	274		
70% Distill Point	°C	ASTM D86	280	288		
80% Distill Point	°C	ASTM D86	295	304		
85% Distillation Point	°C	ASTM D86		315		
90% Distill Point	°C	ASTM D86	310	326		
95% Distillation Point	°C	ASTM D86		345		
Final Boiling Point	°C	ASTM D86	341	359		
IGNITION QUALIT	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	36		
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	2		
Water	%	ASTM D6304	<0.05	0.002		
ppm Water	ppm	ASTM D6304	<500	17		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		

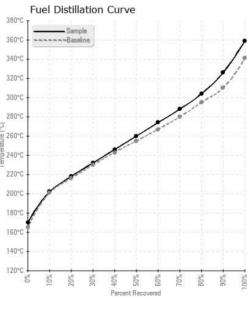


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UID CLEANLIN	ESS	method	limit/base	current	history1	history2
ticles >4µm		ASTM D7647	>2500	158		
ticles >6µm		ASTM D7647	>640	55		
ticles >14µm		ASTM D7647	>80	10		
ticles >21µm		ASTM D7647	>20	2		
ticles >38µm		ASTM D7647	>4	0		
ticles >71µm		ASTM D7647	>3	0		
Cleanliness		ISO 4406 (c)	>18/16/13	14/13/10		
EAVY METALS		method	limit/base	current	history1	history2
ninum	ppm	ASTM D5185m	<0.1	0		
kel	ppm	ASTM D5185m	<0.1	0		
d	ppm	ASTM D5185m	<0.1	0		
adium	ppm	ASTM D5185m	<0.1	0		
	ppm	ASTM D5185m	<0.1	0		
cium	ppm	ASTM D5185m	<0.1	0		
gnesium	ppm	ASTM D5185m	<0.1	0		
sphorus	ppm	ASTM D5185m	<0.1	0		
	ppm	ASTM D5185m	<0.1	2		
AMPLE IMAGES	\$	method	limit/base	current	history1	history2
or					no image	no image
tom					no image	no image

GRAPHS



≝ 60 Bas 50 May22/24 CICCINEV GCD Spectrum 600 610109 550 500 450 400 Q 350 300 8 250 200 150 100 50 Time (min) 16 0

Pensky-Martens Flash Point (°C)



: WC0953885 Received : 07 Jun 2024 210 POWELL DR Lab Number : 06202382 Tested : 13 Jun 2024 SUMMERVILLE, SC Unique Number : 11069843 Diagnosed : 13 Jun 2024 - Doug Bogart Test Package : DF-2 (Additional Tests: Fuel, Screen) Contact: AJAY EL Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. Ajay@prsfuel.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (843)225-1777 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: PETSUM [WUSCAR] 06202382 (Generated: 06/15/2024 07:13:48) Rev: 1

Contact/Location: AJAY EL - PETSUM

PETROLEUM RECOVERY SERVICES

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