

FUEL REPORT

% Biodiesel

%

*In-House <20.0

0.0

Area QTS ATLANTA GA DC2 [4797] [QTS ATLANTA GA DC2] A9

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

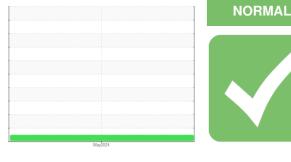
All metal levels are normal indicating no corrosion in the system.

Contaminants

There is no bacteria or fungus (yeast and/or mold) pindicated 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.



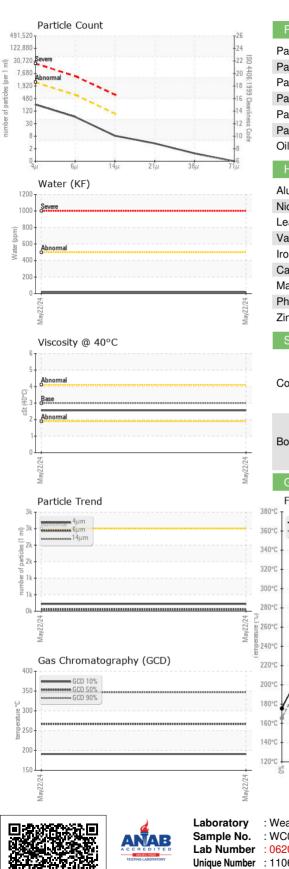
Sample Rating Trend



SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0953907		
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	2.56		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	63.4		
SULFUR CONTEI	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	175		
5% Distillation Point	°C	ASTM D86		202		
10% Distill Point	°C	ASTM D86	201	212		
15% Distillation Point	°C	ASTM D86		220		
20% Distill Point	°C	ASTM D86	216	227		
30% Distill Point	°C	ASTM D86	230	240		
40% Distill Point	°C	ASTM D86	243	252		
50% Distill Point	°C	ASTM D86	255	264		
60% Distill Point	°C	ASTM D86	267	277		
70% Distill Point	°C	ASTM D86	280	290		
80% Distill Point	°C	ASTM D86	295	305		
85% Distillation Point	°C	ASTM D86		315		
90% Distill Point	°C	ASTM D86	310	326		
95% Distillation Point	°C	ASTM D86		343		
Final Boiling Point	°C	ASTM D86	341	357		
IGNITION QUALI	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	35		
Cetane Index		ASTM D4737	<40.0	47		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0		
Sodium	ppm	ASTM D5185m	<0.1	2		
Potassium	ppm	ASTM D5185m	<0.1	2		
Water	%	ASTM D6304	< 0.05	0.002		
ppm Water	ppm	ASTM D6304	<500	18		
% Gasoline	%	*In-House	< 0.50	0.0		
	0/	*1	00.0			



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FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
articles >4µm		ASTM D7647	>2500	221		
articles >6µm		ASTM D7647	>640	56		
articles >14µm		ASTM D7647	>80	7		
articles >21µm		ASTM D7647	>20	3		
articles >38µm		ASTM D7647	>4	1		
articles >71µm		ASTM D7647	>3	0		
il Cleanliness		ISO 4406 (c)	>18/16/13	15/13/10		
HEAVY METALS		method	limit/base	current	history1	history2
luminum	ppm	ASTM D5185m	<0.1	0		
ickel	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	ASTM D5185m	<0.1	1		
lagnesium	ppm	ASTM D5185m	<0.1	0		
hosphorus	ppm	ASTM D5185m	<0.1	0		
inc	ppm	ASTM D5185m	<0.1	2		
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
ottom					no image	no image no image
GRAPHS						
Fuel Distillation Cu	irve			Pensky-Marte	ns Flash Point (°C)
Sample			Ç, Tre	70		
Baseline			temperature °C	60 - Base		
				50		9
		1		May22/24		4 <i>0100</i> veM
		1.00		≥ GCD Spectrur	n	2
	1	and a second	7		<u>(90</u> %)	
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×.						
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1			Response (pA)	00-		
1			suods 3	DO		
(/				E-C 24 E-C		
			2	DO -		
			1	DO-	and the second s	
					Ne we	
10% - 20% - 30% -	50% -	70% -	90%	0 0 0	Time (min)	15
	rcent Recovered		1			



PETROLEUM RECOVERY SERVICES : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0953907 Received : 07 Jun 2024 210 POWELL DR Lab Number : 06202350 Tested : 13 Jun 2024 SUMMERVILLE, SC : 13 Jun 2024 - Elizabeth Valachovic Unique Number : 11069811 Diagnosed Test Package : DF-2 (Additional Tests: Fuel, Screen) Certificate 12367 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)

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Contact/Location: AJAY EL - PETSUM

US 29483