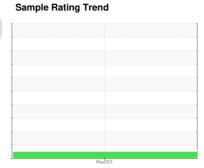


FUEL REPORT

QTS CHICAGO [QTS CHICAGO] GEN A2

Diesel Fuel

No.2 DIESEL FUEL (ULTRALOW SULPHUI





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

The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. 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.

) (5000 GAL)				May 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06185707		
Sample Date		Client Info		20 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	2.89		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	67.7		
SULFUR CONTER	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	7		
Sulfur (UVF)	ppm	ASTM D5453		15		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	180		
5% Distillation Point	°C	ASTM D86		207		
10% Distill Point	°C	ASTM D86	201	217		
15% Distillation Point	°C	ASTM D86		225		
20% Distill Point	°C	ASTM D86	216	233		
30% Distill Point	°C	ASTM D86	230	247		
40% Distill Point	°C	ASTM D86	243	259		
50% Distill Point	°C	ASTM D86	255	271		
60% Distill Point	°C	ASTM D86	267	283		
70% Distill Point	°C	ASTM D86	280	296		
80% Distill Point	°C	ASTM D86	295	310		
85% Distillation Point	°C	ASTM D86		320		
90% Distill Point	°C	ASTM D86	310	330		
95% Distillation Point	°C	ASTM D86		344		
Final Boiling Point	°C	ASTM D86	341	359		
IGNITION QUALIT	ГΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	33		
Cetane Index		ASTM D4737	<40.0	44		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<1		
Sodium	ppm	ASTM D5185m	<0.1	<1		
Potassium	ppm	ASTM D5185m	<0.1	0		
Water	%	ASTM D6304	< 0.05	0.003		
ppm Water	ppm	ASTM D6304	<500	39		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	1.6		



FUEL REPORT







Certificate 12367

Sample No.

: WC06185707 Lab Number : 06185707 Unique Number : 11037033

Diagnosed

Tested

: 28 May 2024

: 28 May 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)

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