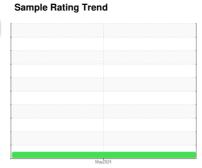


FUEL REPORT

QTS CHICAGO [QTS CHICAGO] GEN A3

Diesel Fuel

No.2 DIESEL FUEL (ULTRALOW SULPHUF





Recommendation

No corrective action is recommended at this time. All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel.

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. 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.

R) (5000 GAL)				May 2024		
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06185708		
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	69.2		
SULFUR CONTE	VT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0		
Sulfur (UVF)	ppm	ASTM D5453		12		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	181		
5% Distillation Point	°C	ASTM D86		207		
10% Distill Point	°C	ASTM D86	201	218		
15% Distillation Point	°C	ASTM D86		226		
20% Distill Point	°C	ASTM D86	216	234		
30% Distill Point	°C	ASTM D86	230	247		
40% Distill Point	°C	ASTM D86	243	258		
50% Distill Point	°C	ASTM D86	255	270		
60% Distill Point	°C	ASTM D86	267	282		
70% Distill Point	°C	ASTM D86	280	295		
80% Distill Point	°C	ASTM D86	295	308		
85% Distillation Point	°C	ASTM D86		318		
90% Distill Point	°C	ASTM D86	310	329		
95% Distillation Point	°C	ASTM D86		345		
Final Boiling Point	°C	ASTM D86	341	361		
IGNITION QUALIT	ΓΥ	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	31		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



FUEL REPORT







Sample No.

: WC06185708 Lab Number : 06185708 Unique Number : 11037034

Received **Tested** Diagnosed : 20 May 2024

: 28 May 2024

: 28 May 2024 - Sean Felton

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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