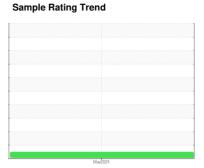


# **FUEL REPORT**

# QTS SUWANEE DC1 [17733] [QTS SUWANEE DC1] RA

**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

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

## **Fuel Condition**

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

(8000 GAL)						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0953818		
Sample Date		Client Info		20 May 2024		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	s 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	2.28		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	60.2		
SULFUR CONTE	VT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0		
Sulfur (UVF)	ppm	ASTM D5453		6		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	171		
5% Distillation Point	°C	ASTM D86		191		
10% Distill Point	°C	ASTM D86	201	200		
15% Distillation Point	°C	ASTM D86		207		
20% Distill Point	°C	ASTM D86	216	213		
30% Distill Point	°C	ASTM D86	230	227		
40% Distill Point	°C	ASTM D86	243	240		
50% Distill Point	°C	ASTM D86	255	252		
60% Distill Point	°C	ASTM D86	267	267		
70% Distill Point	°C	ASTM D86	280	282		
80% Distill Point	°C	ASTM D86	295	298		
85% Distillation Point	°C	ASTM D86		310		
90% Distill Point	°C	ASTM D86	310	321		
95% Distillation Point	°C	ASTM D86		339		
Final Boiling Point	°C	ASTM D86	341	354		
IGNITION QUALIT	ГΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	38		
Cetane Index		ASTM D4737	<40.0	49		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<1		
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		
% Biodiesel	%	*In-House	<20.0	0.0		



## **FUEL REPORT**







Certificate 12367

Laboratory Sample No. Lab Number

: WC0953818 : 06204063 Unique Number : 11071524

Received : 07 Jun 2024 **Tested** Diagnosed

: 14 Jun 2024

: 14 Jun 2024 - Elizabeth Valachovic

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)

210 POWELL DR SUMMERVILLE, SC

Contact/Location: AJAY EL - PETSUM

US 29483 Contact: AJAY EL Ajay@prsfuel.com T: (843)225-1777