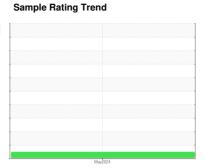


FUEL REPORT

QTS CHICAGO [QTS CHICAGO] GEN E4

Diesel Fuel

No.2 DIESEL FUEL (ULTRALOW SULPHUR





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.

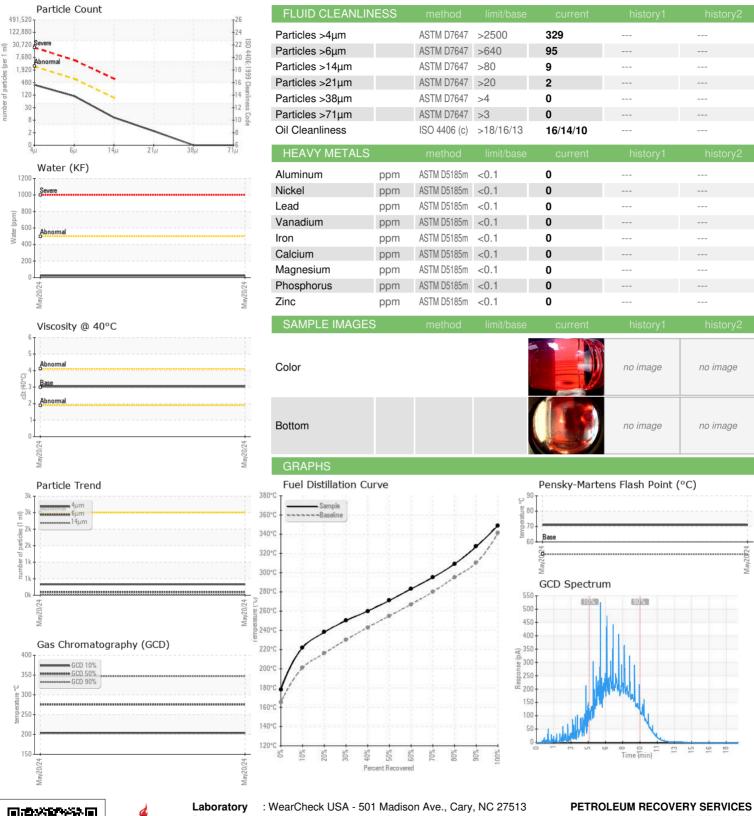
Fuel Condition

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

R) (5000 GAL)			1	May2024		
SAMPLE INFORM	MATION	mathad	limit/book	al irrant	historyt	hiotom/2
	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06185721		
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
Specific Gravity		*ASTM D1298	0.839	0.863		
Fuel Color	text	*Visual Screen	Yllow	Red		
ASTM Color	scalar	*ASTM D1500		L4.5		
Visc @ 40°C	cSt	ASTM D445	3.0	3.05		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	71		
SULFUR CONTER	VT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0		
Sulfur (UVF)	ppm	ASTM D5453		7		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	178		
5% Distillation Point	°C	ASTM D86		209		
10% Distill Point	°C	ASTM D86	201	222		
15% Distillation Point	°C	ASTM D86		231		
20% Distill Point	°C	ASTM D86	216	238		
30% Distill Point	°C	ASTM D86	230	250		
40% Distill Point	°C	ASTM D86	243	260		
50% Distill Point	°C	ASTM D86	255	271		
60% Distill Point	°C	ASTM D86	267	283		
70% Distill Point	°C	ASTM D86	280	295		
80% Distill Point	°C	ASTM D86	295	309		
85% Distillation Point	°C	ASTM D86		317		
90% Distill Point	°C	ASTM D86	310	327		
95% Distillation Point	°C	ASTM D86		342		
Final Boiling Point	°C	ASTM D86	341	349		
Distillation Residue	%	ASTM D86	3.0	1.4		
Distillation Loss	%	ASTM D86	3.0	0.8		
IGNITION QUALIT	ГΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	32.5		
Cetane Index		ASTM D4737	<40.0	43.3		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0		
Sodium	ppm	ASTM D5185m	< 0.1	0		
Potassium	ppm	ASTM D5185m	<0.1	0		
Water	%	ASTM D6304	< 0.05	0.002		
ppm Water	ppm	ASTM D6304	<500	22		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



FUEL REPORT







Sample No.

: WC06185721 Lab Number : 06185721 Unique Number : 11037047

Received : 20 May 2024 **Tested** Diagnosed

: 28 May 2024

: 28 May 2024 - Doug Bogart

210 POWELL DR SUMMERVILLE, SC US 29483 Contact: AJAY EL Ajay@prsfuel.com T: (843)225-1777

Certificate 12367

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)