

FUEL REPORT

Sample Rating Trend

NORMAL

Area **QTS CHICAGO** [QTS CHICAGO] GEN DR1

Diesel Fuel

Fluid No.2 DIESEL FUEL (ULTRALOW SULPHUR) (5000 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

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

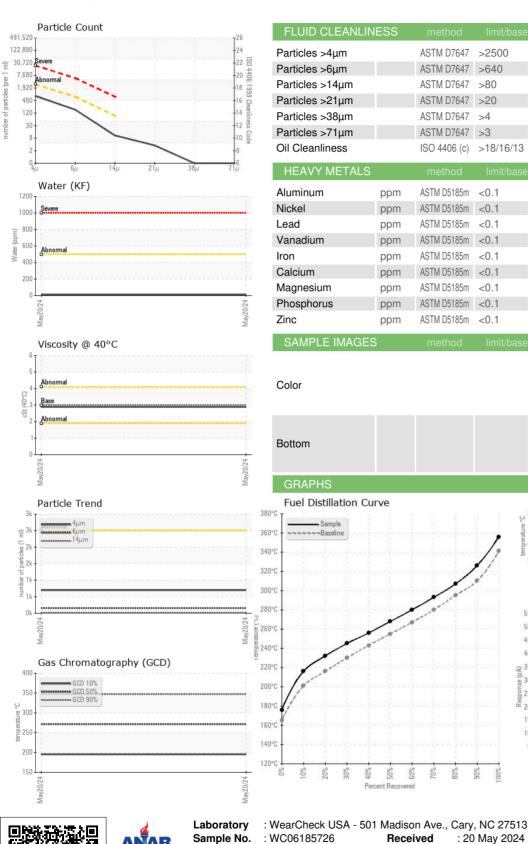
Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.



Sample Number		Client Info		WC06185726		
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	2.89		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	65.1		
SULFUR CONTER	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	176		
5% Distillation Point	°C	ASTM D86		206		
10% Distill Point	°C	ASTM D86	201	216		
15% Distillation Point	°C	ASTM D86		224		
20% Distill Point	°C	ASTM D86	216	232		
30% Distill Point	°C	ASTM D86	230	245		
40% Distill Point	°C	ASTM D86	243	256		
50% Distill Point	°C	ASTM D86	255	268		
60% Distill Point	°C	ASTM D86	267	280		
70% Distill Point	°C	ASTM D86	280	293		
80% Distill Point	°C	ASTM D86	295	307		
85% Distillation Point	°C	ASTM D86		316		
90% Distill Point	°C	ASTM D86	310	326		
95% Distillation Point	°C	ASTM D86		341		
Final Boiling Point	°C	ASTM D86	341	356		
IGNITION QUALIT	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	33		
Cetane Index		ASTM D4737	<40.0	43		
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	0.001		
ppm Water	ppm	ASTM D6304	<500	14		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



FUEL REPORT



LUID CLEANLIN	ESS	method	limit/base	current	history1	history2
rticles >4μm		ASTM D7647	>2500	698		
ticles >6μm		ASTM D7647	>640	155		
rticles >14μm		ASTM D7647	>80	9		
ticles >21μm		ASTM D7647	>20	3		
ticles >38μm		ASTM D7647	>4	0		
ticles >71μm		ASTM D7647	>3	0		
Cleanliness		ISO 4406 (c)	>18/16/13	17/14/10		
EAVY METALS		method	limit/base	current	history1	history2
minum	ppm	ASTM D5185m	<0.1	0		
kel	ppm	ASTM D5185m	<0.1	0		
ad	ppm	ASTM D5185m	<0.1	0		
nadium	ppm	ASTM D5185m	<0.1	0		
ı	ppm	ASTM D5185m	<0.1	0		
cium	ppm	ASTM D5185m	<0.1	0		
gnesium	ppm	ASTM D5185m	<0.1	0		
osphorus	ppm	ASTM D5185m	<0.1	0		
С	ppm	ASTM D5185m	<0.1	0		
AMPLE IMAGES		method	limit/base	current	history1	history2
or					no image	no image
tom					no image	no image
RAPHS						
uel Distillation Cur	ve			Pensky-Marte	ns Flash Point (°C)
Sample						
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: WC06185726 210 POWELL DR Received : 20 May 2024 Lab Number : 06185726 Tested : 28 May 2024 SUMMERVILLE, SC Unique Number : 11037052 Diagnosed : 28 May 2024 - Doug Bogart Test Package : DF-2 (Additional Tests: Fuel, Screen) Contact: AJAY EL Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. Ajay@prsfuel.com * - 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)

10%

30% 40% 20% %09 %0L 80% 90%

> Perce nt Recovered

20%

T: (843)225-1777 F: Contact/Location: AJAY EL - PETSUM

5 9 00

Time (min)

PETROLEUM RECOVERY SERVICES

Report Id: PETSUM [WUSCAR] 06185726 (Generated: 05/28/2024 19:59:02) Rev: 1

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