

## FUEL REPORT

Sample Rating Trend

### NORMAL

### Area **QTS CHICAGO** [QTS CHICAGO] GEN F1

**Diesel Fuel** 

#### Fluid No.2 DIESEL FUEL (ULTRALOW SULPHUR) (50

#### 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.

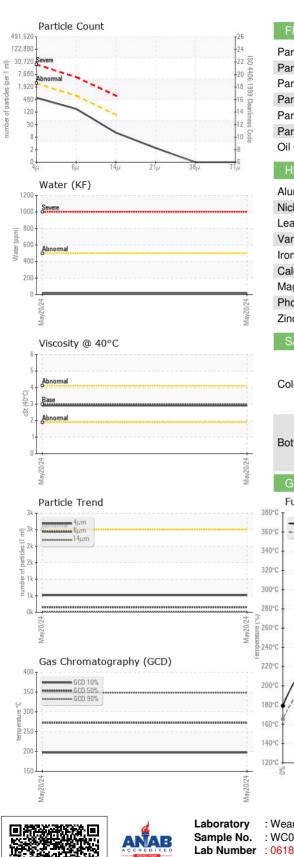
#### **Fuel Condition**

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

			Mar/2024			
ATION	method			history1	history2	
bre			-			
1115			-			
ERTIES	method	limit/base	-	history1	history2	
				TIIStoryT	TIIStoryz	
		YIIOW				
		0.0				
			-			
-	*PMCC Calculated	52	66.6			
IT	method	limit/base	current	history1	history2	
ppm	ASTM D5185m	10	0			
ppm	ASTM D5453		6			
	method	limit/base	current	history1	history2	
°C	ASTM D86	165	179			
°C	ASTM D86		208			
°C	ASTM D86	201	219			
°C	ASTM D86		226			
°C	ASTM D86	216	234			
°C	ASTM D86	230	247			
°C	ASTM D86	243	258			
°C	ASTM D86	255	269			
°C	ASTM D86	267	281			
°C	ASTM D86	280	294			
°C	ASTM D86	295	308			
°C	ASTM D86		317			
°C	ASTM D86	310	327			
°C	ASTM D86		343			
°C	ASTM D86	341	355			
Ϋ́	method	limit/base	current	history1	history2	
	ASTM D7777	37.7	32			
	ASTM D4737	<40.0	43			
	method	limit/base	current	history1	history2	
ppm	ASTM D5185m	<1.0	0			
ppm	ASTM D5185m	<0.1	0			
ppm	ASTM D5185m	<0.1	0			
%	ASTM D6304	<0.05	0.002			
ppm	ASTM D6304	<500	18			
%		<0.50	0.0			
%	*In-House	<20.0	0.0			
	ppm     °C     °C <td>Client InfoClient InfoClient InfoInfoClient InfoVisual Screen*ASTM D1500cstaar*ASTM D1500cstASTM D445°CPMCC CaculatedPMCC ScalariASTM D5185mppmASTM D5185mppmASTM D5185mppmASTM D5185mPDMASTM D861°CASTM D8777ASTM D5185mppmASTM D5185mppmASTM D5185mppmASTM D6304%ASTM D6304%ASTM D6304%ASTM D6304%ASTM D6304%ASTM D6304%ASTM D6304%ASTM D6304%%%%%%%%%%%%%%%%<td< td=""><td>ATIONmethodlimit/baseClient InfoClient InfohrsClient InfoImit/baseimit/basetext*Visual ScreenYllowscalar*ASTM D1500°C*PMCC Calculated52CTmethodlimit/baseppmASTM D5185m10ppmASTM D5185m10ppmASTM D5185m10ppmASTM D5453°CASTM D5185m10ppmASTM D5185m10ppmASTM D5185m10°CASTM D86201°CASTM D86216°CASTM D86216°CASTM D86230°CASTM D86243°CASTM D86243°CASTM D86295°CASTM D86295°CASTM D86295°CASTM D86310°CASTM D86310°CASTM D86341°CASTM D86341°CASTM D777737.7ASTM D5185m&lt;1.0</td>°CASTM D5185m&lt;1.0</td<></td> °CASTM D5185m<0.1	Client InfoClient InfoClient InfoInfoClient InfoVisual Screen*ASTM D1500cstaar*ASTM D1500cstASTM D445°CPMCC CaculatedPMCC ScalariASTM D5185mppmASTM D5185mppmASTM D5185mppmASTM D5185mPDMASTM D861°CASTM D8777ASTM D5185mppmASTM D5185mppmASTM D5185mppmASTM D6304%ASTM D6304%ASTM D6304%ASTM D6304%ASTM D6304%ASTM D6304%ASTM D6304%ASTM D6304%%%%%%%%%%%%%%%% <td< td=""><td>ATIONmethodlimit/baseClient InfoClient InfohrsClient InfoImit/baseimit/basetext*Visual ScreenYllowscalar*ASTM D1500°C*PMCC Calculated52CTmethodlimit/baseppmASTM D5185m10ppmASTM D5185m10ppmASTM D5185m10ppmASTM D5453°CASTM D5185m10ppmASTM D5185m10ppmASTM D5185m10°CASTM D86201°CASTM D86216°CASTM D86216°CASTM D86230°CASTM D86243°CASTM D86243°CASTM D86295°CASTM D86295°CASTM D86295°CASTM D86310°CASTM D86310°CASTM D86341°CASTM D86341°CASTM D777737.7ASTM D5185m&lt;1.0</td>°CASTM D5185m&lt;1.0</td<>	ATIONmethodlimit/baseClient InfoClient InfohrsClient InfoImit/baseimit/basetext*Visual ScreenYllowscalar*ASTM D1500°C*PMCC Calculated52CTmethodlimit/baseppmASTM D5185m10ppmASTM D5185m10ppmASTM D5185m10ppmASTM D5453°CASTM D5185m10ppmASTM D5185m10ppmASTM D5185m10°CASTM D86201°CASTM D86216°CASTM D86216°CASTM D86230°CASTM D86243°CASTM D86243°CASTM D86295°CASTM D86295°CASTM D86295°CASTM D86310°CASTM D86310°CASTM D86341°CASTM D86341°CASTM D777737.7ASTM D5185m<1.0	Client InfoWC06185727Client Info20 May 2024hrsClient Info0TrisClient Info0TrisTextNoRMALERTIESmethodImit/baseCurrenttext'Visual ScreenYllowRedscalar'ASTM D1500L4.5cStASTM D4453.02.91°C'PMCC Calculated5266.6TmethodImit/baseCurrentppmASTM D5453100ppmASTM D5453100ppmASTM D86165179°CASTM D86201219°CASTM D86216234°CASTM D86230247°CASTM D86216234°CASTM D86230247°CASTM D86255269°CASTM D86280294°CASTM D86280294°CASTM D86310327°CASTM D86341355°CASTM D86341355°CASTM D86341355°CASTM D87737.732°CASTM D77737.732°CASTM D77737.732°CASTM D8155<0.1	ATION     method     limit/base     current     history1       Client Info     20 May 2024         Imit Info     0         Imit Info     0         Imit Info     0         Imit Info     0         Imit Info     Current     History1       text     Visual Screen     Yllow     Red        Scalar     ASTM D1500     L4.5         °C     YliCC Galulatid     52     66.6        °C     MSTM D5185m     10     0        °C     MSTM D5453     Imit/base     current     history1       °C     ASTM D5455     10     0        °C     ASTM D5455     201     219        °C     ASTM D86     165     179        °C     ASTM D86     201     219        °C     ASTM D86	



# **FUEL REPORT**



	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	512		
Particles >6µm		ASTM D7647	>640	150		
Particles >14µm		ASTM D7647	>80	11		
Particles >21µm		ASTM D7647	>20	2		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	16/14/11		
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0		
Nickel	ppm	ASTM D5185m	<0.1	0		
_ead	ppm	ASTM D5185m	<0.1	0		
Vanadium	ppm	ASTM D5185m	<0.1	0		
ron	ppm	ASTM D5185m	<0.1	0		
Calcium	ppm	ASTM D5185m	<0.1	0		
Vagnesium	ppm	ASTM D5185m	<0.1	0		
Phosphorus	ppm	ASTM D5185m	<0.1	0		
Zinc	ppm	ASTM D5185m	<0.1	0		
SAMPLE IMAGES		method	limit/base	current	history1	history2
Bottom					no image	no image
GRAPHS Fuel Distillation Cur	ve		3 80 antreaduras 600 50	Base Base	ns Flash Point (	°C) +2002veW
	/	and the second s	500	GCD Spectrur	n 190 <mark>8 -</mark>	
	Bran		400			
			350			
1			Vd 300			
			(2,300 8,250 200 150 100 50			



: 20 May 2024 : WC06185727 Received 210 POWELL DR Lab Number : 06185727 Tested : 28 May 2024 SUMMERVILLE, SC : 28 May 2024 - Doug Bogart Unique Number : 11037053 Diagnosed 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. \* - 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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