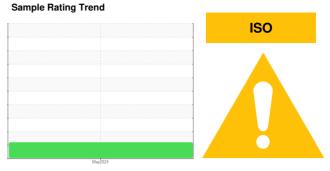


FUEL REPORT

QTS ATLANTA GA DC1 [4785] [QTS ATLANTA GA DC1] GH6 ENC6

Diesel Fuel

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (10500 GAL)



DIAGNOSIS

Recommendation

We advise that you filter this fluid before use. 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

There is a moderate amount of silt (particulates < 14 microns in size) present in the fuel. Moderate concentration of visible dirt/debris present in the fuel. There is no bacteria or fungus (yeast and/or mold) indicated in the sample.

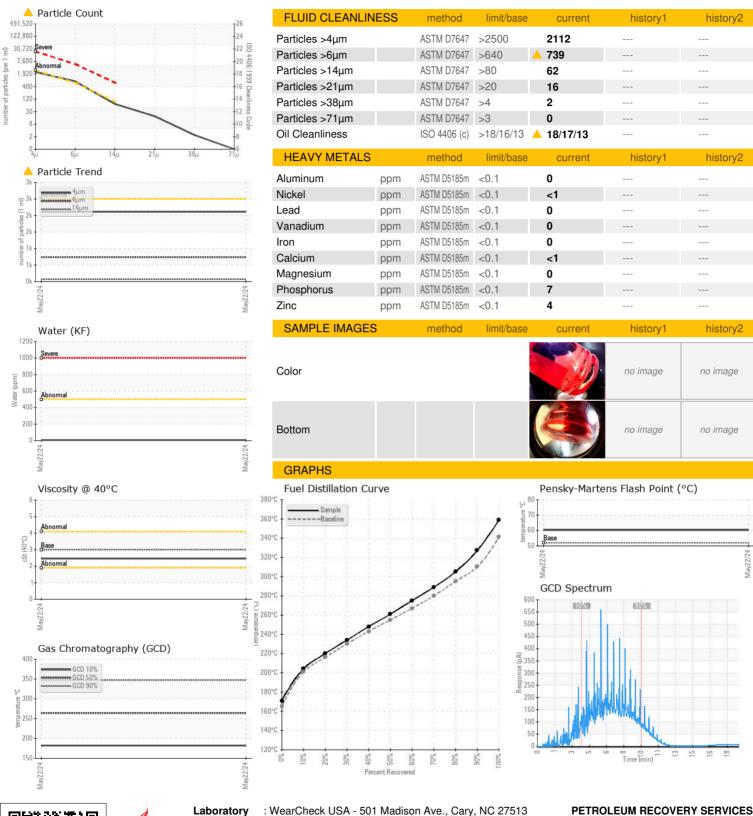
Fuel Condition

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

Client Info 22 May 2024) (10000 G/L)						
Client Info 22 May 2024	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info ABNORMAL	Sample Number		Client Info		WC0953920		
PHYSICAL PROPERTIES method limit/base current history1 history2	Sample Date		Client Info		22 May 2024		
PHYSICAL PROPERTIES method limit/base current history1 history2	Machine Age	hrs	Client Info		0		
Part Color Lext Visual Screen Villow Red Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat.5 Lat	Sample Status				ABNORMAL		
ASTM Color Scalar ASTM D1500 L4.5 Visc @ 40°C CSt ASTM D445 3.0 2.46 Pensky-Martens Flash Point °C °PMCCCalcided 52 60.3 SULFUR CONTENT method limit/base current history1 history2 Sulfur ppm ASTM D5185m 10 1 Sulfur (UVF) ppm ASTM D5453 9 DISTILLATION method limit/base current history1 history2 DIST	PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
ASTM D445 3.0 2.46	Fuel Color	text	*Visual Screen	Yllow	Red		
Persky-Martens Flash Point °C °PMCC Calculated 52 60.3 SULFUR CONTENT method limit/base current history1 history2 Sulfur (UVF) ppm ASTM D5185m 10 1 Sulfur (UVF) ppm ASTM D5453 9 Sulfur (UVF) ppm ASTM D5453 9 DISTILLATION method limit/base current history1 history2 DISTILLATION °C ASTM D86 165 171 Sign Distillation Point °C ASTM D86 194 10% Distill Point °C ASTM D86 201 204 15% Distillation Point °C ASTM D86 212 20% Distill Point °C ASTM D86 212 20% Distill Point °C ASTM D86 230 234 20% Distill Point °C ASTM D86 243 248 20% Distill Point °C ASTM D86 255 261 20% Distill Point °C ASTM D86 255 261 20% Distill Point °C ASTM D86 280 289 20% Distill Point °C ASTM D86 295 305 20% Distill Point °C ASTM D86 316 20% Distill Point °C ASTM D86 341 359 20% Distill Point °C ASTM D86 341	ASTM Color	scalar	*ASTM D1500		L4.5		
SULFUR CONTENT method limit/base current history1 history2 Sulfur ppm ASTM D5185m 10 1 Sulfur (UVF) ppm ASTM D5453 9 DISTILLATION method limit/base current history1 history2 nitial Boiling Point °C ASTM D86 194 10% Distill Point °C ASTM D86 201 204 10% Distill Point °C ASTM D86 201 204 15% Distill Point °C ASTM D86 216 220 15% Distill Point °C ASTM D86 230 234 40% Distill Point °C ASTM D86 243 248 50% Distill Point °C ASTM D86 255 261 30% Distill Point °C	Visc @ 40°C	cSt	ASTM D445	3.0	2.46		
Sulfur ppm ASTM D5185m 10 1	Pensky-Martens Flash Point	°C	*PMCC Calculated	52	60.3		
DISTILLATION	SULFUR CONTE	NT	method	limit/base	current	history1	history2
DISTILLATION	Sulfur	ppm	ASTM D5185m	10	1		
Nitial Boiling Point °C ASTM D86 165 171 175 195 1	Sulfur (UVF)	ppm	ASTM D5453		9		
194 194 195	DISTILLATION		method	limit/base	current	history1	history2
10% Distill Point	Initial Boiling Point	°C	ASTM D86	165	171		
15% Distillation Point °C ASTM D86 212	5% Distillation Point	°C	ASTM D86		194		
15% Distillation Point °C ASTM D86 212	10% Distill Point	°C	ASTM D86	201	204		
20% Distill Point °C ASTM D86 216 220 30% Distill Point °C ASTM D86 230 234 40% Distill Point °C ASTM D86 243 248 50% Distill Point °C ASTM D86 255 261 50% Distill Point °C ASTM D86 267 275 70% Distill Point °C ASTM D86 289 30% Distillation Point °C ASTM D86 316 30% Distillation Point °C ASTM D86 316 30% Distillation Point °C ASTM D86 345 30% Distillation Point °C ASTM D86 341 359 Final Boiling Point °C ASTM D86 341 359 Final Boiling Point °C ASTM		°C			-		
230% Distill Point °C ASTM D86 230 234 240% Distill Point °C ASTM D86 243 248 250% Distill Point °C ASTM D86 255 261 250% Distill Point °C ASTM D86 267 275 250% Distill Point °C ASTM D86 280 289 250% Distill Point °C ASTM D86 295 305 255% Distillation Point °C ASTM D86 316 255% Distillation Point °C ASTM D86 310 327 255% Distillation Point °C ASTM D86 345 255% Distillation Point °C ASTM D86 341 359 255% Distillation Point °C ASTM D86 341 359 255% Distillation Point °C AST			ASTM D86	216	220		
50% Distill Point °C ASTM D86 255 261 50% Distill Point °C ASTM D86 267 275 70% Distill Point °C ASTM D86 280 289 30% Distill Point °C ASTM D86 316 30% Distill Point °C ASTM D86 310 327 30% Distill Point °C ASTM D86 345 30% Distill Point °C ASTM D86 345 30% Distill Point °C ASTM D86 345 30% Distill Point °C ASTM D86 341 359 30% Distill Point °C ASTM D86 341 359 Final Boiling Point °C ASTM D7777 37.7 36 API Gravity ASTM D4737 <40.0	30% Distill Point	°C		230	234		
50% Distill Point °C ASTM D86 255 261 50% Distill Point °C ASTM D86 267 275 70% Distill Point °C ASTM D86 280 289 30% Distill Point °C ASTM D86 316 30% Distill Point °C ASTM D86 310 327 30% Distill Point °C ASTM D86 345 30% Distill Point °C ASTM D86 345 30% Distill Point °C ASTM D86 345 30% Distill Point °C ASTM D86 341 359 30% Distill Point °C ASTM D86 341 359 Final Boiling Point °C ASTM D7777 37.7 36 API Gravity ASTM D4737 <40.0			ASTM D86	243	_		
60% Distill Point °C ASTM D86 267 275 70% Distill Point °C ASTM D86 280 289 80% Distill Point °C ASTM D86 295 305 85% Distillation Point °C ASTM D86 316 90% Distill Point °C ASTM D86 345 95% Distillation Point °C ASTM D86 345 Final Boiling Point °C ASTM D86 341 359 IGNITION QUALITY method limit/base current history1 history2 API Gravity ASTM D7777 37.7 36 Cetane Index ASTM D4737 <40.0				255	_		
70% Distill Point °C ASTM D86 280 289 30% Distill Point °C ASTM D86 295 305 35% Distillation Point °C ASTM D86 316 30% Distill Point °C ASTM D86 345 30% Distillation Point °C ASTM D86 345 30% Distillation Point °C ASTM D86 345 345 345 Final Boiling Point °C ASTM D86 341 359 IGNITION QUALITY method limit/base current history1 history2 API Gravity ASTM D4737 <40.0					_		
30% Distill Point					_		
Styling		°C		295			
Down Distill Point O							
Solitilation Point °C ASTM D86 345				310			
IGNITION QUALITY method limit/base current history1 history2				0.10			
API Gravity ASTM D7777 37.7 36 Cetane Index ASTM D4737 <40.0 48 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m <1.0 0 Sodium ppm ASTM D5185m <0.1 2 Potassium ppm ASTM D5185m <0.1 2 Water % ASTM D6304 <0.05 0.001 ppm Water ppm ASTM D6304 <500 7 Gasoline % *In-House <0.50 0.00	Final Boiling Point			341			
Cetane Index ASTM D4737 <40.0	IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
Cetane Index ASTM D4737 <40.0 48 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m <1.0	API Gravity		ASTM D7777	37.7	36		
Silicon ppm ASTM D5185m <1.0 0 Sodium ppm ASTM D5185m <0.1 2 Potassium ppm ASTM D5185m <0.1 2 Water % ASTM D6304 <0.05 0.001 opm Water ppm ASTM D6304 <500 7 % *In-House <0.50 0.0	Cetane Index		ASTM D4737	<40.0	48		
Sodium ppm ASTM D5185m < 0.1	CONTAMINANTS		method	limit/base	current	history1	history2
Sodium ppm ASTM D5185m < 0.1 2 Potassium ppm ASTM D5185m < 0.1 2 Water % ASTM D6304 < 0.05 0.001 opm Water ppm ASTM D6304 < 500 7 % *In-House < 0.50 0.0	Silicon	ppm	ASTM D5185m	<1.0	0		
Potassium ppm ASTM D5185m < 0.1 2 Water % ASTM D6304 < 0.05 0.001 opm Water ppm ASTM D6304 < 500 7 % Gasoline % *In-House < 0.50 0.0	Sodium			<0.1	2		
Water % ASTM D6304 < 0.05 0.001 opm Water ppm ASTM D6304 < 500	Potassium						
opm Water ppm ASTM D6304 <500 7 % Gasoline % *In-House <0.50 0.0	Water		ASTM D6304	< 0.05			
% Gasoline % *In-House <0.50 0.0	ppm Water						
	% Gasoline						
	% Biodiesel						



FUEL REPORT







Certificate 12367

Laboratory

Sample No.

: WC0953920 Lab Number : 06203239 Unique Number : 11070700

Received : 07 Jun 2024 Tested : 18 Jun 2024 Diagnosed : 18 Jun 2024 - Doug Bogart

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)

PETROLEUM RECOVERY SERVICES

210 POWELL DR SUMMERVILLE, SC US 29483

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

Report Id: PETSUM [WUSCAR] 06203239 (Generated: 06/19/2024 08:33:19) Rev: 1

Contact/Location: AJAY EL - PETSUM