

Area **CITY OF ROCK HILL [17812]** [CITY OF ROCK HILL] RIVER WALK

Diesel Fuel Fluid

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (75 GAL)

DIAGNOSIS

Recommendation

All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel.

Corrosion

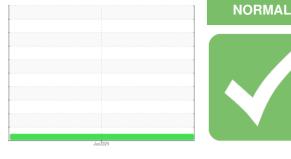
All metal levels are normal indicating no corrosion in the system.

Contaminants

The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. 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.



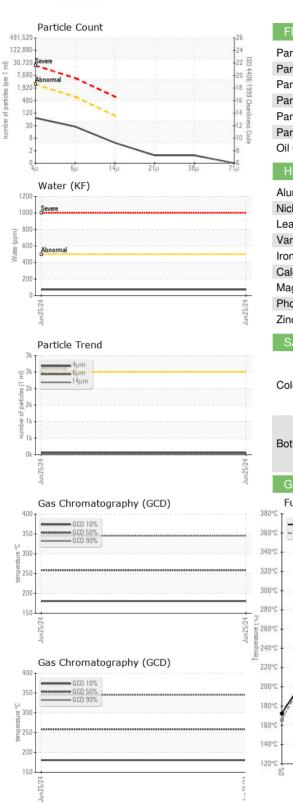
Sample Rating Trend



SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0957775		
Sample Date		Client Info		25 Jun 2024		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	Yllow	Yllow		
ASTM Color	scalar	*ASTM D1500		L3.5		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	61		
SULFUR CONTER	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0		
Sulfur (UVF)	ppm	ASTM D5453		12		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	172		
5% Distillation Point	°C	ASTM D86		193		
10% Distill Point	°C	ASTM D86	201	202		
15% Distillation Point	°C	ASTM D86		209		
20% Distill Point	°C	ASTM D86	216	216		
30% Distill Point	°C	ASTM D86	230	230		
40% Distill Point	°C	ASTM D86	243	243		
50% Distill Point	°C	ASTM D86	255	256		
60% Distill Point	°C	ASTM D86	267	271		
70% Distill Point	°C	ASTM D86	280	285		
80% Distill Point	°C	ASTM D86	295	302		
85% Distillation Point	°C	ASTM D86		313		
90% Distill Point	°C	ASTM D86	310	325		
95% Distillation Point	°C	ASTM D86		344		
Final Boiling Point	°C	ASTM D86	341	360		
IGNITION QUALIT	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	36		
Cetane Index		ASTM D4737	<40.0	47		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<1		
Sodium	ppm	ASTM D5185m	<0.1	<1		
Potassium	ppm	ASTM D5185m	<0.1	0		
Water	%	ASTM D6304	<0.05	0.007		
ppm Water	ppm	ASTM D6304	<500	72		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



FUEL REPORT



T26	FLUID CLEANLIN	IESS	method	limit/bas	e current	history1	history2
-24	Particles >4µm		ASTM D7647	>2500	62		
-22 80	Particles >6µm		ASTM D7647	>640	24		
-22 ISO 4406:1999 Cleanliness	Particles >14µm		ASTM D7647	>80	4		
-16 Ce	Particles >21µm		ASTM D7647	>20	1		
-14 m	Particles >38µm		ASTM D7647	>4	1		
-12 %	Particles >71µm		ASTM D7647	>3	0		
-8	Oil Cleanliness		ISO 4406 (c)		13/12/9		
71µ	HEAVY METALS		method	limit/bas	e current	history1	history2
	Aluminum	ppm	ASTM D5185m	<0.1	0		
	Nickel	ppm	ASTM D5185m	<0.1	0		
	Lead	ppm	ASTM D5185m	<0.1	0		
	Vanadium	ppm	ASTM D5185m	<0.1	0		
	Iron	ppm	ASTM D5185m	<0.1	0		
	Calcium	ppm	ASTM D5185m	<0.1	0		
	Magnesium	ppm	ASTM D5185m	<0.1	0		
/24 -	Phosphorus	ppm	ASTM D5185m	<0.1	<1		
Jun25/24	Zinc	ppm	ASTM D5185m	<0.1	0		
	SAMPLE IMAGES	S	method	limit/bas	e current	history1	history2
	Color					no image	no image
Jun25/24	Bottom					no image	no image
٦٢	GRAPHS					_	
	Fuel Distillation Cu 380°C T	irve			Pensky-Marten	s Flash Point (°C)
	Sample			J, en	3 70		
	360°CBaseline			/	80 - Base		
	340°C -			11	50 Base		
	320°C		/	1	Jun25/24		Jun25/24
	300°C -		1	· · · · · · ·	Jun		lund
	280°C -		1.		GCD Spectrum		
/24 (74)		1			550	(90%)	
Jun25/24 erature ("-	260°C -	1			500-		
empe	260°C	-			400-		
	220°C			(A)	350-		
	200°C			lise (p	300 -		
	/			8	250 -		
	180°C				200-		
	160°C -				100-	WWW I	
	140°C -				50-	N,	
	120°C + + + + +						
2	0% 10% 20% 40%			90%	8 3 1 0	™Time (min)	15
6/ J C ~	Pe	rcent Recovere	d	3.7-			
1							
oratory	: WearCheck USA - 50	1 Madic		NC 2751			ERY SERVICES
ple No.	: WC0957775	Rece		5 Jun 2024			0 POWELL DR
Number	: 06220611	Teste		Jul 2024			MERVILLE, SC
	. 11008808				aath Valachavia		110 20492

: 01 Jul 2024 - Elizabeth Valachovic

Diagnosed



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)

Test Package : DF-2 (Additional Tests: Fuel, Screen)

Unique Number : 11098808

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

Report Id: PETSUM [WUSCAR] 06220611 (Generated: 07/01/2024 14:55:32) Rev: 1

Certificate 12367

Contact/Location: AJAY EL - PETSUM