

Area **CITY OF ROCK HILL [17802]** [CITY OF ROCK HILL] DUTCHMAN

Diesel Fuel Fluid

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (755 GAL)

DIAGNOSIS

Recommendation

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

Corrosion

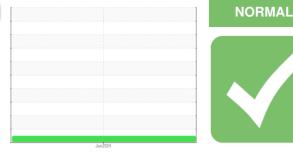
All metal levels are normal indicating no corrosion in the system.

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.



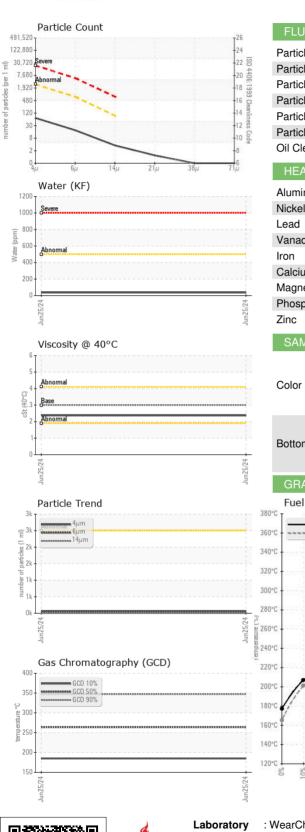
Sample Rating Trend



SAMPLE INFORM	IATI <u>ON</u>	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0957766		
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	Red		
ASTM Color	scalar	*ASTM D1500		L4.0		
Visc @ 40°C	cSt	ASTM D445	3.0	2.37		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	65.8		
SULFUR CONTEN	١T	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0		
Sulfur (UVF)	ppm	ASTM D5453		9		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	177		
5% Distillation Point	°C	ASTM D86		197		
10% Distill Point	°C	ASTM D86	201	207		
15% Distillation Point	°C	ASTM D86		214		
20% Distill Point	°C	ASTM D86	216	221		
30% Distill Point	°C	ASTM D86	230	235		
40% Distill Point	°C	ASTM D86	243	248		
50% Distill Point	°C	ASTM D86	255	261		
60% Distill Point	°C	ASTM D86	267	275		
70% Distill Point	°C	ASTM D86	280	289		
80% Distill Point	°C	ASTM D86	295	304		
85% Distillation Point	°C	ASTM D86		315		
90% Distill Point	°C	ASTM D86	310	326		
95% Distillation Point	°C	ASTM D86	0.44	345		
Final Boiling Point	°C	ASTM D86	341	359		
IGNITION QUALI	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	37		
Cetane Index		ASTM D4737	<40.0	49		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<1		
Sodium	ppm	ASTM D5185m	<0.1	2		
Potassium	ppm	ASTM D5185m	<0.1	<1		
Water	%	ASTM D6304	<0.05	0.003		
ppm Water	ppm	ASTM D6304	<500	36		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



FUEL REPORT



UID CLEANLIN	ESS	method	limit/base	current	history1	history2
cles >4µm		ASTM D7647	>2500	62		
cles >6µm		ASTM D7647	>640	16		
cles >14µm		ASTM D7647	>80	3		
cles >21µm		ASTM D7647	>20	1		
cles >38µm		ASTM D7647	>4	0		
cles >71µm		ASTM D7647	>3	0		
leanliness		ISO 4406 (c)	>18/16/13	13/11/9		
AVY METALS		method	limit/base	current	history1	history2
iinum	ppm	ASTM D5185m	<0.1	0		
əl	ppm	ASTM D5185m	<0.1	0		
	ppm	ASTM D5185m	<0.1	0		
adium	ppm	ASTM D5185m	<0.1	<1		
	ppm	ASTM D5185m	<0.1	0		
um	ppm	ASTM D5185m	<0.1	0		
nesium	ppm	ASTM D5185m	<0.1	0		
phorus	ppm	ASTM D5185m	<0.1	<1		
	ppm	ASTM D5185m	<0.1	0		
MPLE IMAGES	\$	method	limit/base	current	history1	history2
r					no image	no image
om					no image	no image
APHS						
l Distillation Cu	rve			Pensky-Marte	ns Flash Point (°C)
Sample Sample				70		
			The state	50 -		
			// ¹⁹	50		
		1	1-	Jun25/24		Jun 25/24
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PETROLEUM RECOVERY SERVICES : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0957766 Sample No. Received : 25 Jun 2024 210 POWELL DR Lab Number : 06220284 Tested : 28 Jun 2024 SUMMERVILLE, SC Unique Number : 11098481 Diagnosed : 28 Jun 2024 - Elizabeth Valachovic 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)

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T: (843)225-1777 F:

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Time (min)

Report Id: PETSUM [WUSCAR] 06220284 (Generated: 06/30/2024 19:04:36) Rev: 1

Contact/Location: AJAY EL - PETSUM

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