

FUEL REPORT

VA Charleston (Ralph H Johnson VAMC) [13502] [VA Charleston (Ralph H Johnson VAMC)] TANK 1

Diesel Fuel

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (8000 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. 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

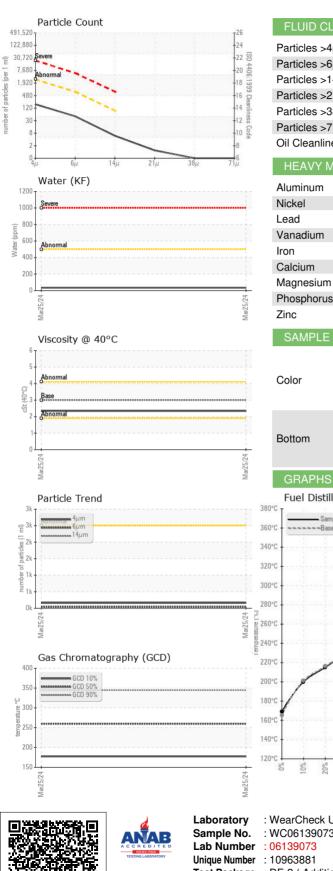


NORMAL

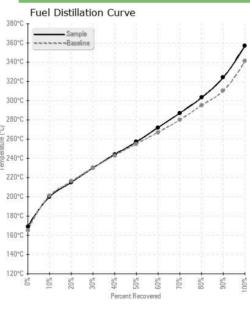
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06139073		
Sample Date		Client Info		25 Mar 2024		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	Yllow	Red		
ASTM Color	scalar	*ASTM D1500		L4.0		
Visc @ 40°C	cSt	ASTM D445	3.0	2.34		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	59.2		
SULFUR CONTER	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	13		
Sulfur (UVF)	ppm	ASTM D5453		7		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	169		
5% Distillation Point	°C	ASTM D86		190		
10% Distill Point	°C	ASTM D86	201	200		
15% Distillation Point	°C	ASTM D86		207		
20% Distill Point	°C	ASTM D86	216	215		
30% Distill Point	°C	ASTM D86	230	230		
40% Distill Point	°C	ASTM D86	243	244		
50% Distill Point	°C	ASTM D86	255	257		
60% Distill Point	°C	ASTM D86	267	272		
70% Distill Point	°C	ASTM D86	280	287		
80% Distill Point	°C	ASTM D86	295	303		
85% Distillation Point	°C	ASTM D86		313		
90% Distill Point	°C	ASTM D86	310	324		
95% Distillation Point	°C	ASTM D86		343		
Final Boiling Point	°C	ASTM D86	341	357		
IGNITION QUALIT	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	37		
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	<1		
Potassium	ppm	ASTM D5185m	<0.1	0		
Water	%	ASTM D6304	<0.05	0.003		
ppm Water	ppm	ASTM D6304	<500	34		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		

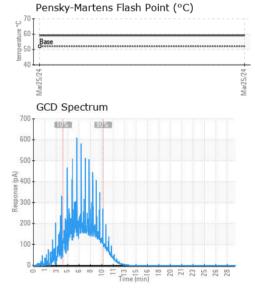


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FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	161		
Particles >6µm		ASTM D7647	>640	43		
Particles >14µm		ASTM D7647	>80	5		
Particles >21µm		ASTM D7647	>20	1		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	15/13/10		
HEAVY METALS		method	limit/base	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		
ron	ppm	ASTM D5185m	<0.1	0		
Calcium	ppm	ASTM D5185m	<0.1	0		
Magnesium	ppm	ASTM D5185m	<0.1	0		
Phosphorus	ppm	ASTM D5185m	<0.1	0		
Zinc	ppm	ASTM D5185m	<0.1	0		
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color					no image	no image
Bottom				\bigcirc	no image	no image
GRAPHS						





PETROLEUM RECOVERY SERVICES : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC06139073 Received : 04 Apr 2024 210 POWELL DR Lab Number : 06139073 Tested : 15 Apr 2024 SUMMERVILLE, SC Unique Number : 10963881 Diagnosed : 15 Apr 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. T: (843)225-1777 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Contact/Location: AJAY EL - PETSUM

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