

FUEL REPORT

Carilion Roanoke Memorial Hospital [4614] [Carilion Roanoke Memorial Hospital] REHAB

Diesel Fuel

Fluid No.2 DIESEL FUEL (ULTRALOW SULPHUR) (500 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

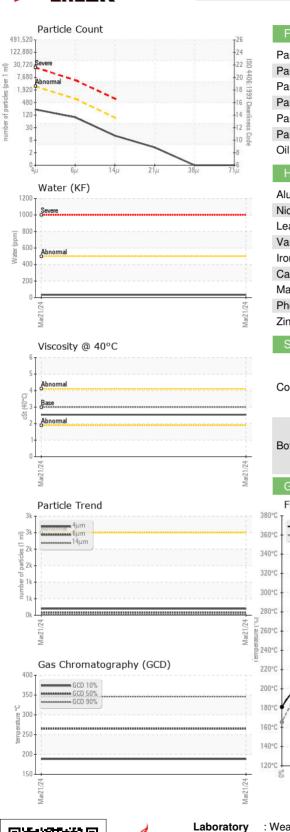


NORMAL

SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06139076		
Sample Date		Client Info		21 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	2.54		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	69.9		
SULFUR CONTER	١T	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	12		
Sulfur (UVF)	ppm	ASTM D5453		15		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	181		
5% Distillation Point	°C	ASTM D86		201		
10% Distill Point	°C	ASTM D86	201	210		
15% Distillation Point	°C	ASTM D86		217		
20% Distill Point	°C	ASTM D86	216	225		
30% Distill Point	°C	ASTM D86	230	238		
40% Distill Point	°C	ASTM D86	243	250		
50% Distill Point	°C	ASTM D86	255	262		
60% Distill Point	°C	ASTM D86	267	276		
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		344		
Final Boiling Point	°C	ASTM D86	341	359		
IGNITION QUALIT	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	36		
Cetane Index		ASTM D4737	<40.0	49		
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	33		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



FUEL REPORT



FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	198		
Particles >6µm		ASTM D7647	>640	83		
Particles >14µm		ASTM D7647	>80	11		
Particles >21µm		ASTM D7647	>20	3		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)		15/14/11		
HEAVY METAL	S .	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		
Iron	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 IMAGE	ES	method	limit/base	current	history1	history2
Color					no image	no image
Bottom				\square	no image	no image
GRAPHS						
Fuel Distillation C	Curve		8		ns Flash Point ('	°C)
Sample			temperature °C	0		
			/ berat	0		
			17 5	Base		
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/earCheck USA - 5				PETRO	LEUM RECOVE	
/C06139076	Rece		4 Apr 2024) POWELL DR
6139076 0963884	Teste		5 Apr 2024		SUM	AERVILLE, SC
0963884	Diadu	nnend 15	$\Delta nr 2024 - Do$	und Rodart		115 20/18'



 Certificate L2367
 Test Package
 : DF-2 (Additional Tests: Fuel, Screen)

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
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 * - 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)

Diagnosed

: 15 Apr 2024 - Doug Bogart

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

Report Id: PETSUM [WUSCAR] 06139076 (Generated: 05/27/2024 14:38:25) Rev: 1

Sample No.

Lab Number : 06139076 Unique Number : 10963884

Contact/Location: AJAY EL - PETSUM

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