

FUEL REPORT

Sample Rating Trend



Machine Id

109777 - DUKE HOSPITAL SOUTH TRI HOSPICE

Diesel Fuel

No.2 DIESEL FUEL (ULTRALOW SULPHUF

Recommendation

All laboratory tests indicate that this sample meets specifications for No.2 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.

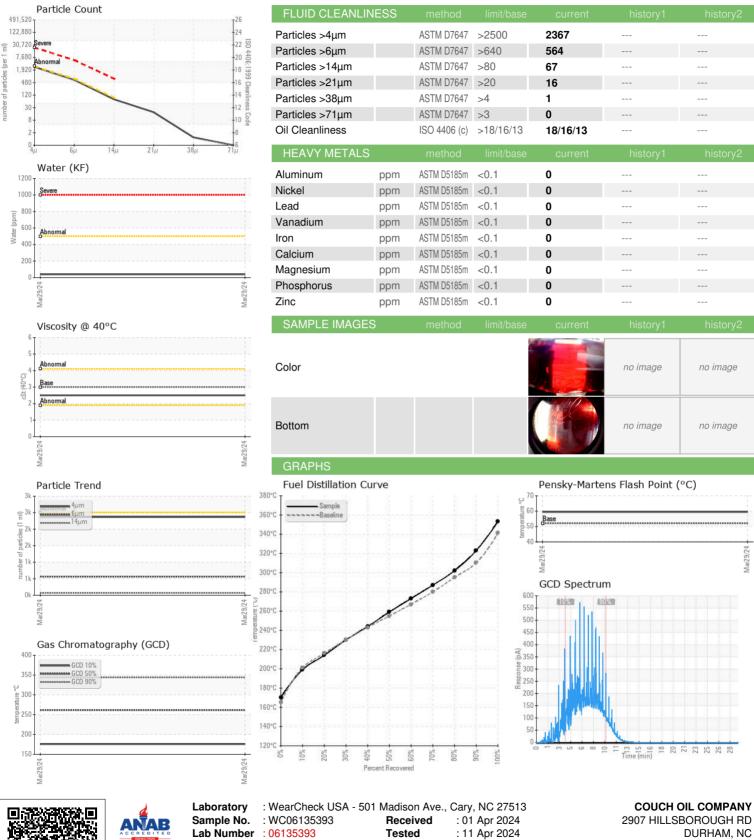
Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

(QTS)			Mar2024			
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06135393		
Sample Date		Client Info		29 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		L4.5		
Visc @ 40°C	cSt	ASTM D445	3.0	2.5		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	59.5		
SULFUR CONTE	NΤ	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	230		
Sulfur (UVF)	ppm	ASTM D5453		183		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	170		
5% Distillation Point	°C	ASTM D86		189		
10% Distill Point	°C	ASTM D86	201	199		
15% Distillation Point	°C	ASTM D86		207		
20% Distill Point	°C	ASTM D86	216	214		
30% Distill Point	°C	ASTM D86	230	230		
40% Distill Point	°C	ASTM D86	243	244		
50% Distill Point	°C	ASTM D86	255	259		
60% Distill Point	°C	ASTM D86	267	273		
70% Distill Point	°C	ASTM D86	280	287		
80% Distill Point	°C	ASTM D86	295	302		
85% Distillation Point	°C	ASTM D86		312		
90% Distill Point	°C	ASTM D86	310	323		
95% Distillation Point	°C	ASTM D86		340		
Final Boiling Point	°C	ASTM D86	341	353		
IGNITION QUALIT	ГΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	36		
Cetane Index		ASTM D4737	<40.0	46		
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	0.003		
ppm Water	ppm	ASTM D6304	<500	39		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



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Certificate 12367

Lab Number : 06135393 Unique Number : 10954858

Diagnosed

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)

DURHAM, NC

US 27705 Contact: JESSE BROWN

jesse@couchoilcompany.com

T: (919)285-5408

: 11 Apr 2024 - Doug Bogart