

FUEL REPORT

WATER



BLYTHE CHAPEL HILL RD - DARK RED

Component

NOT GIVEN (--- QTS)

Diesel Fuel

DIAGNOSIS

Recommendation

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. All other laboratory tests indicate that this sample meets specifications for No.2 ultra-lowsulfur diesel fuel. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Corrosion

The iron level is abnormal.

Contaminants

Appearance is hazy. There is a light concentration of water present in the fuel. Moderate concentration of visible dirt/debris present in the fuel. There is no bacteria or fungus (yeast and/or mold) indicated in the sample.

Fuel Condition

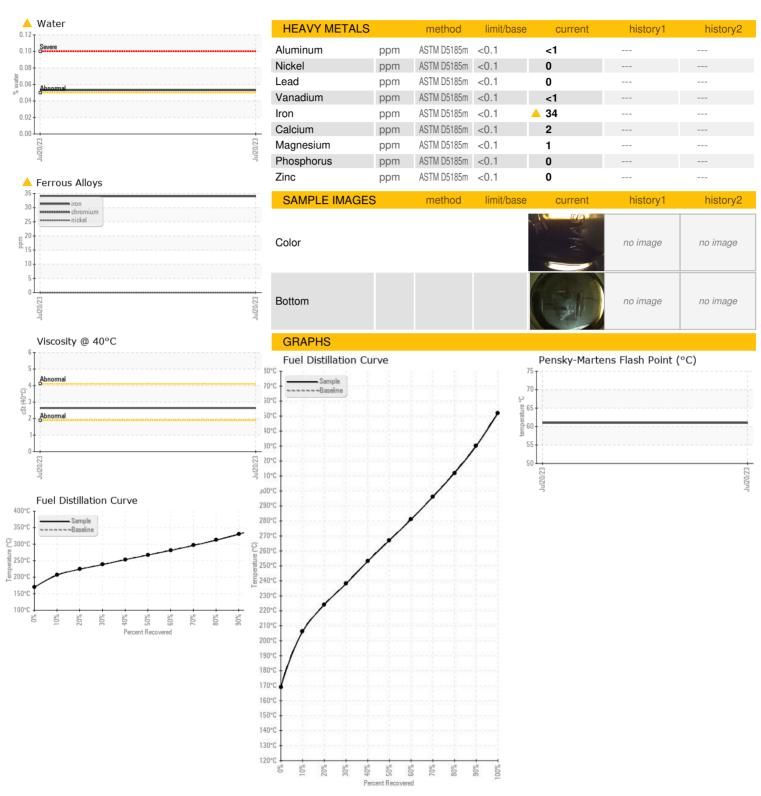
Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur value derived by ASTM D5453 method for ULSD validation.

Samp	le Rating Trend		
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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC05905080		
Sample Date		Client Info		20 Jul 2023		
Machine Age	hrs	Client Info		0		
Sample Status				ABNORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		0.846		
Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500		L7.5		
Visc @ 40°C	cSt	ASTM D445		2.64		
Pensky-Martens Flash Point	°C	*PMCC Calculated		61		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		0		
Sulfur (UVF)	ppm	ASTM D5453		9		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		169		
5% Distillation Point	°C	ASTM D86		196		
10% Distill Point	°C	ASTM D86		206		
15% Distillation Point	°C	ASTM D86		216		
20% Distill Point	°C	ASTM D86		224		
30% Distill Point	°C	ASTM D86		238		
40% Distill Point	°C	ASTM D86		253		
50% Distill Point	°C	ASTM D86		267		
60% Distill Point	°C	ASTM D86		281		
70% Distill Point	°C	ASTM D86		296		
80% Distill Point	°C	ASTM D86		312		
85% Distillation Point	°C	ASTM D86		320		
90% Distill Point	°C	ASTM D86		330		
95% Distillation Point Final Boiling Point	°C	ASTM D86 ASTM D86		345 352		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		0.8		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		35.8		
Cetane Index		ASTM D7777	<40 O	47.7		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	1		
Sodium Potassium	ppm	ASTM D5185m ASTM D5185m	<0.1	1		
Water	ppm %	ASTM D5185m	<0.1	0 ^ 0.053		
ppm Water		ASTM D6304	<500	▲ 533.6		
% Gasoline	ppm %	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	3.9		



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Laboratory Sample No. Lab Number Unique Number

: 05905080

: WC05905080 : 10566436

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 21 Jul 2023 Diagnosed : 02 Aug 2023 Diagnostician : Doug Bogart

Test Package : DF-2 (Additional Tests: 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)

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