

FUEL REPORT

IDEM FOD 11

Component **Diesel Fuel**

DIESEL FUEL No. 2 (--- GAL)

Sample Rating Trend



Recommendation

ASTM D240 result 19,540 BTU/lb. Test performed at subcontracted ISO 17025 laboratory. 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

There is no bacteria or fungus (yeast and/or mold) indicated in the sample. The water content is negligible. The amount and size of particulates present in the system are acceptable.

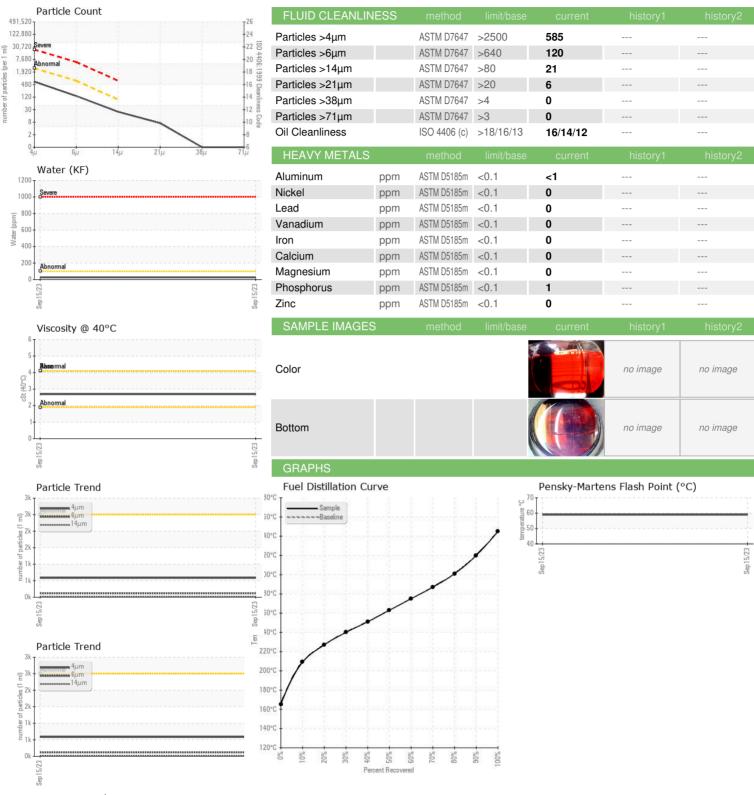
Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

				Sep.2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0790709		
Sample Date		Client Info		15 Sep 2023		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		0.853		
Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500		L4.0		
Visc @ 40°C	cSt	ASTM D445	4.1	2.69		
Pensky-Martens Flash Point	°C	*PMCC Calculated		59		
Cloud Point	°C	ASTM D5771		-18		
Pour Point	°C	ASTM D5950		-27		
SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		0		
Sulfur (UVF)	ppm	ASTM D5453		6		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		165		
5% Distillation Point	°C	ASTM D86		196		
10% Distill Point	°C	ASTM D86		209		
15% Distillation Point	°C	ASTM D86		219		
20% Distill Point	°C	ASTM D86		227		
30% Distill Point	°C	ASTM D86		240		
40% Distill Point	°C	ASTM D86		251		
50% Distill Point	°C	ASTM D86		263		
60% Distill Point	°C	ASTM D86		275		
70% Distill Point	°C	ASTM D86		287		
80% Distill Point	°C	ASTM D86		301		
85% Distillation Point	°C	ASTM D86		310		
90% Distill Point	°C	ASTM D86		320		
95% Distillation Point	°C	ASTM D86		336		
Final Boiling Point	°C	ASTM D86		345		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		0.7		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		34.4		
Cetane Index		ASTM D4737	<40.0	44.5		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0		
Sodium	ppm	ASTM D5185m	< 0.1	2		
Potassium	ppm	ASTM D5185m	<0.1	0		
Water	%	ASTM D6304	< 0.05	0.003		
ppm Water	ppm	ASTM D6304	<500	25.7		
% Gasoline	%	*In-House	< 0.50	0.0		
9/ Diadiagal	0/	*In House	-20.0	0.0		



FUEL REPORT







Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0790709 : 05960260

Received : 10661473

: 25 Sep 2023 : 02 Oct 2023 Diagnosed Diagnostician : Doug Bogart

Test Package : DF-3 (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.

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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