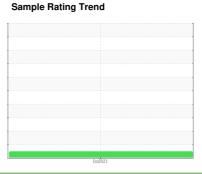


FUEL REPORT



OFF-ROAD (200 GAL)





Recommendation

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.

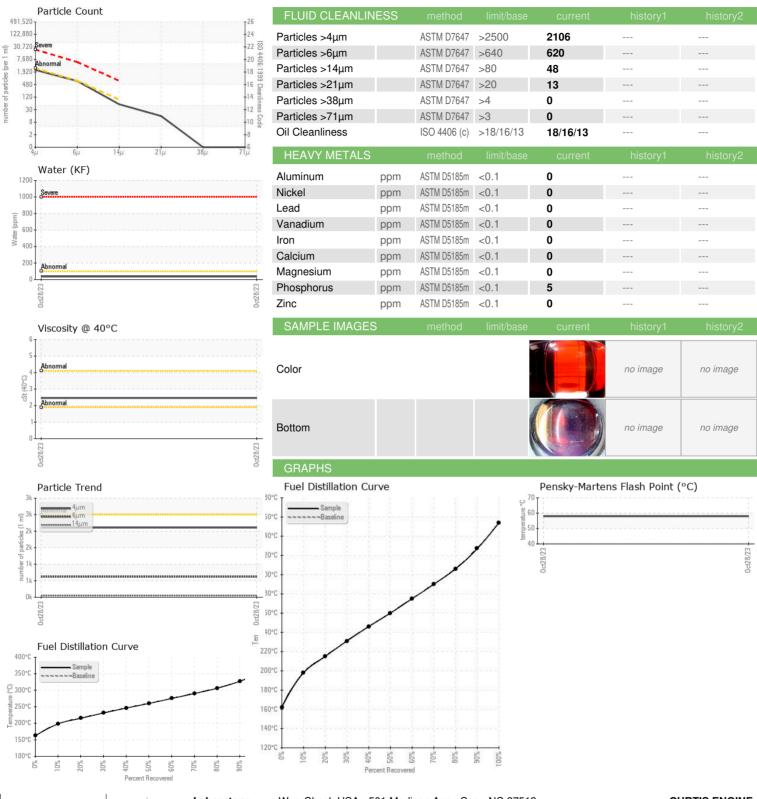
Fuel Condition

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

		<u>, </u>		Oct2023	,	
SAMPLE INFORM	MATION	method				history2
Sample Number		Client Info		DCDF02627		
Sample Date		Client Info		28 Oct 2023		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		0.840		
Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500		L5.5		
Visc @ 40°C	cSt	ASTM D445		2.46		
Pensky-Martens Flash Point	°C	*PMCC Calculated		58		
Cloud Point	°C	ASTM D5771		-12		
Pour Point	°C	ASTM D5950		-25		
			12 21 /1	-	In Contract of	h'-1 O
SULFUR CONTE	A1	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		12		
Sulfur (UVF)	ppm	ASTM D5453		14		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		162		
5% Distillation Point	°C	ASTM D86		187		
10% Distill Point	°C	ASTM D86		198		
15% Distillation Point	°C	ASTM D86		208		
20% Distill Point	°C	ASTM D86		215		
30% Distill Point	°C	ASTM D86		231		
40% Distill Point	°C	ASTM D86		246		
50% Distill Point	°C	ASTM D86		260		
60% Distill Point	°C	ASTM D86		275		
70% Distill Point	°C	ASTM D86		290		
80% Distill Point	°C	ASTM D86		306		
85% Distillation Point	°C	ASTM D86		316		
90% Distill Point	°C	ASTM D86		327		
95% Distillation Point	°C	ASTM D86		344		
Final Boiling Point	°C	ASTM D86		354		
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		37.0		
Cetane Index		ASTM D4737	<40.0	48.4		
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	36.2		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



FUEL REPORT





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: DCDF02627 : 05999500

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Diagnosed

: 06 Nov 2023

: 15 Nov 2023

Diagnostician : Doug Bogart : 10727860 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.

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

CURTIS ENGINE 3915 BENSON AVE

BALTIMORE, MD US 21227

Contact: CHARNETTE WATERS CWATERS@CURTISPS.COM

F: (410)536-2098

T: