

# **FUEL REPORT**

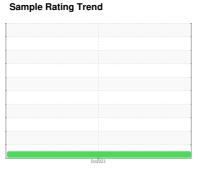


# UMCRMC [R904022631] Machine Id 182607

Component

Diesel Fuel

OFF-ROAD (200 GAL)





#### DIAGNOSIS

#### 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.

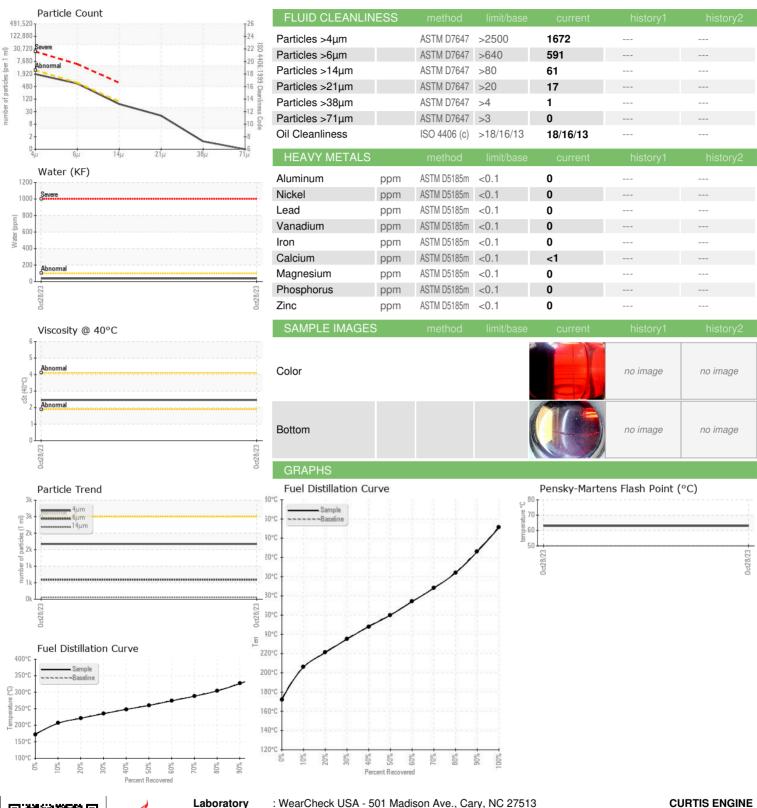
## **Fuel Condition**

Sulfur value derived by ASTM D5453 method for ULSD validation.

				Oct2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		DCDF03984		
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		0.846		
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		63		
Cloud Point	°C	ASTM D5771		-12		
Pour Point	°C	ASTM D5950		-24		
SULFUR CONTE	NΤ	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		453		
Sulfur (UVF)	ppm	ASTM D5453		399		
,	PPIII					
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		172		
5% Distillation Point	°C	ASTM D86		195		
10% Distill Point	°C	ASTM D86		206		
15% Distillation Point	°C	ASTM D86		214		
20% Distill Point	°C	ASTM D86		221		
30% Distill Point	°C	ASTM D86		235		
40% Distill Point	°C	ASTM D86		248		
50% Distill Point	°C	ASTM D86		260		
60% Distill Point	°C	ASTM D86		274		
70% Distill Point	°C	ASTM D86		288		
80% Distill Point	°C	ASTM D86		304		
85% Distillation Point	°C	ASTM D86		314		
90% Distill Point	°C	ASTM D86		326		
95% Distillation Point	°C	ASTM D86		344		
Final Boiling Point	°C	ASTM D86		351		
Distillation Residue Distillation Loss	%	ASTM D86 ASTM D86		1.4 0.9		
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IGNITION QUALIT	Y	method	limit/base	current	history1	history2
API Gravity Cetane Index		ASTM D7777 ASTM D4737	<40.0	35.8 46.6		
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	36.7		
% 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** 

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : DCDF03984 : 05999502

: 10727862

Received : 06 Nov 2023 Diagnosed Diagnostician : Doug Bogart Test Package : DF-3 ( Additional Tests: Screen )

: 15 Nov 2023

BALTIMORE, MD US 21227 Contact: CHARNETTE WATERS

CWATERS@CURTISPS.COM

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)

F: (410)536-2098

3915 BENSON AVE

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