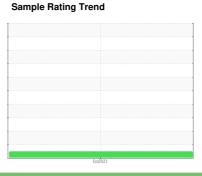


FUEL REPORT







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		DCDF02612		
Sample Date		Client Info		28 Oct 2023		
Machine Age	hrs	Client Info		0		
Sample Status		Onorie iriio		NORMAL		
PHYSICAL PROP	EDTIES	method	limit/base	current	history1	history2
	LITTILO	*ASTM D1298	IIIIII/Dase	0.845	Thistory	HISTOLYZ
Specific Gravity Fuel Color	tovt					
ASTM Color	text scalar	*Visual Screen *ASTM D1500		Red L5.0		
Visc @ 40°C	cSt	ASTM D1300		2.46		
Pensky-Martens Flash Point	°C	*PMCC Calculated		61		
Cloud Point	°C	ASTM D5771		-12		
Pour Point	°C	ASTM D5771		-12		
		ASTIVI DOSOU		-24		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		445		
Sulfur (UVF)	ppm	ASTM D5453		391		
DISTILLATION		method	limit/base	current	history1	history2
nitial Boiling Point	°C	ASTM D86		169		
5% Distillation Point	°C	ASTM D86		193		
10% Distill Point	°C	ASTM D86		203		
15% Distillation Point	°C	ASTM D86		211		
20% Distill Point	°C	ASTM D86		219		
30% Distill Point	°C	ASTM D86		233		
40% Distill Point	°C	ASTM D86		246		
50% Distill Point	°C	ASTM D86		259		
60% Distill Point	°C	ASTM D86		272		
70% Distill Point	°C	ASTM D86		287		
80% Distill Point	°C	ASTM D86		303		
85% Distillation Point	°C	ASTM D86		313		
90% Distill Point	°C	ASTM D86		324		
95% Distillation Point	°C	ASTM D86		342		
Final Boiling Point	°C	ASTM D86		351		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		0.9		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		36.0		
Cetane Index		ASTM D4737	<40.0	46.4		
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	0.004		
ppm Water	ppm	ASTM D6304	<500	40.6		
% Gasoline	%	*In-House	< 0.50	0.0		
% Rindiesel	%	*In-House	<20 0	0.0		

% Biodiesel

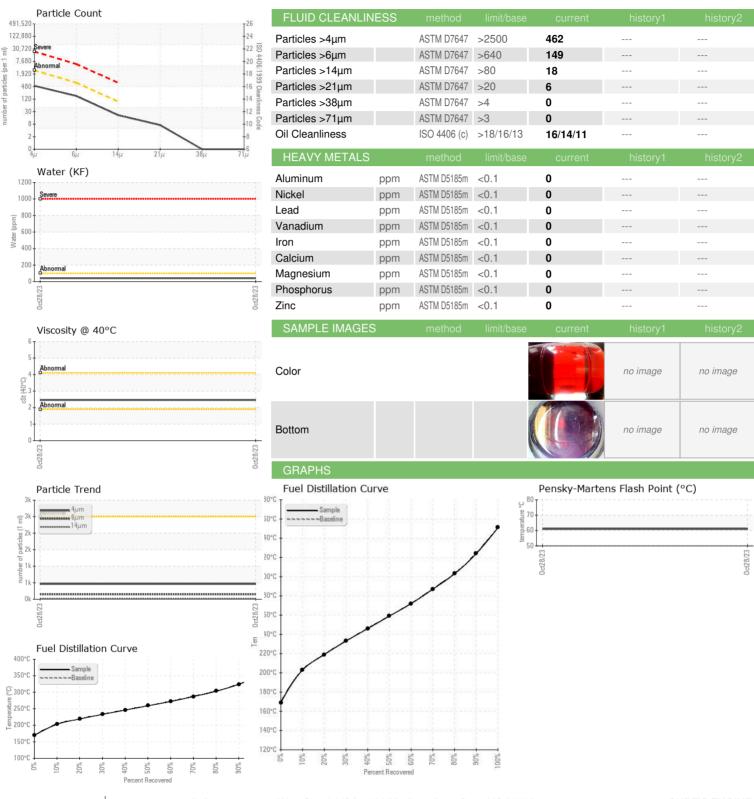
%

*In-House <20.0

0.0



FUEL REPORT





Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: DCDF02612 : 05999501

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 06 Nov 2023 Diagnosed : 15 Nov 2023 : 10727861 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.

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

T: F: (410)536-2098

Report Id: CURBAL [WUSCAR] 05999501 (Generated: 11/16/2023 06:46:35) Rev: 1

Contact/Location: CHARNETTE WATERS - CURBAL