

# **FUEL REPORT**

# IDEM FODT 6

Component **Diesel Fuel** 

**DIESEL FUEL No. 2 (--- GAL)** 

# Sample Rating Trend



### Recommendation

ASTM D240 result 19,625 BTU/lb. Test performed at subcontracted ISO 17025 laboratory. 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

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.

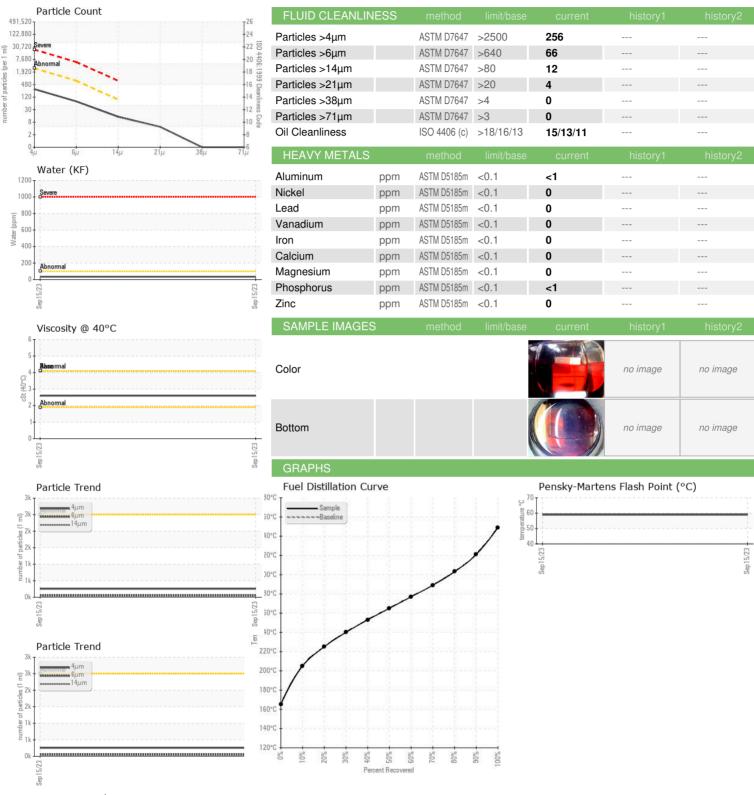
### **Fuel Condition**

Sulfur value derived by ASTM D5453 method for ULSD validation.

				Sep2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
	17 (1101)	Client Info	mmbasc	WC0790711		
Sample Number Sample Date		Client Info		15 Sep 2023		
Machine Age	hrs	Client Info		0 Sep 2023		
Sample Status	1115	Ciletit IIIIO		NORMAL		
				HOTHMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		0.863		
Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500		L4.0		
Visc @ 40°C	cSt	ASTM D445	4.1	2.6		
Pensky-Martens Flash Point	°C	*PMCC Calculated		59		
Cloud Point	°C	ASTM D5771		-22		
Pour Point	°C	ASTM D5950		-36		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		2		
Sulfur (UVF)	ppm	ASTM D5453		18		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		165		
5% Distillation Point	°C	ASTM D86		190		
10% Distill Point	°C	ASTM D86		205		
15% Distillation Point	°C	ASTM D86		216		
20% Distill Point	°C	ASTM D86		225		
30% Distill Point	°C	ASTM D86		240		
40% Distill Point	°C	ASTM D86		253		
50% Distill Point	°C	ASTM D86		265		
60% Distill Point	°C	ASTM D86		277		
70% Distill Point	°C	ASTM D86		289		
80% Distill Point	°C	ASTM D86		303		
85% Distillation Point	°C	ASTM D86		311		
90% Distill Point	°C	ASTM D86		321		
95% Distillation Point	°C	ASTM D86		338		
Final Boiling Point	°C	ASTM D86		349		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		0.7		
IGNITION QUALIT	ГҮ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		32.5		
Cetane Index		ASTM D4737	<40.0	41.0		
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	34.0		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



## **FUEL REPORT**





Laboratory Sample No. Lab Number Unique Number

: WC0790711 : 05960263 : 10661476

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 25 Sep 2023 : 02 Oct 2023 Diagnosed

Diagnostician : Doug Bogart

Test Package : DF-3 ( Additional Tests: Screen ) Certificate L2367 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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