

# **FUEL REPORT**

ASCENT NB2

Component **Diesel Fuel** 

**DIESEL FUEL No. 1 (--- GAL)** 

# Sample Rating Trend



## Recommendation

No corrective action is recommended at this time. 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 a moderate amount of particulates present in the fuel. The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample.

# **Fuel Condition**

Sulfur value derived by ASTM D5453 method for ULSD validation.

				Sep2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0798125		
Sample Date		Client Info		28 Sep 2023		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		0.843		
Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500		L4.0		
Visc @ 40°C	cSt	ASTM D445	2.4	2.53		
Pensky-Martens Flash Point	°C	*PMCC Calculated		60		
SULFUR CONTEN	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		114		
Sulfur (UVF)	ppm	ASTM D5165111		92		
,	PPIII					
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		166		
5% Distillation Point	°C	ASTM D86		193		
10% Distill Point	°C	ASTM D86		203		
15% Distillation Point	°C	ASTM D86		212		
20% Distill Point	°C	ASTM D86		220		
30% Distill Point 40% Distill Point	°C	ASTM D86 ASTM D86		233 248		
50% Distill Point	°C	ASTM D86		261		
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		315		
90% Distill Point	°C	ASTM D86		326		
95% Distillation Point	°C	ASTM D86		343		
Final Boiling Point	°C	ASTM D86		350		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		0.6		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		36.4		
Cetane Index		ASTM D4737	<40.0	47.4		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0		
Sodium	ppm	ASTM D5185m	<0.1	0		
Potassium	ppm	ASTM D5185m	<0.1	0		
Water	%	ASTM D6304	< 0.05	0.00		
ppm Water	ppm	ASTM D6304	< 500	0.00		
% Gasoline	%	*In-House	< 0.50	0.0		
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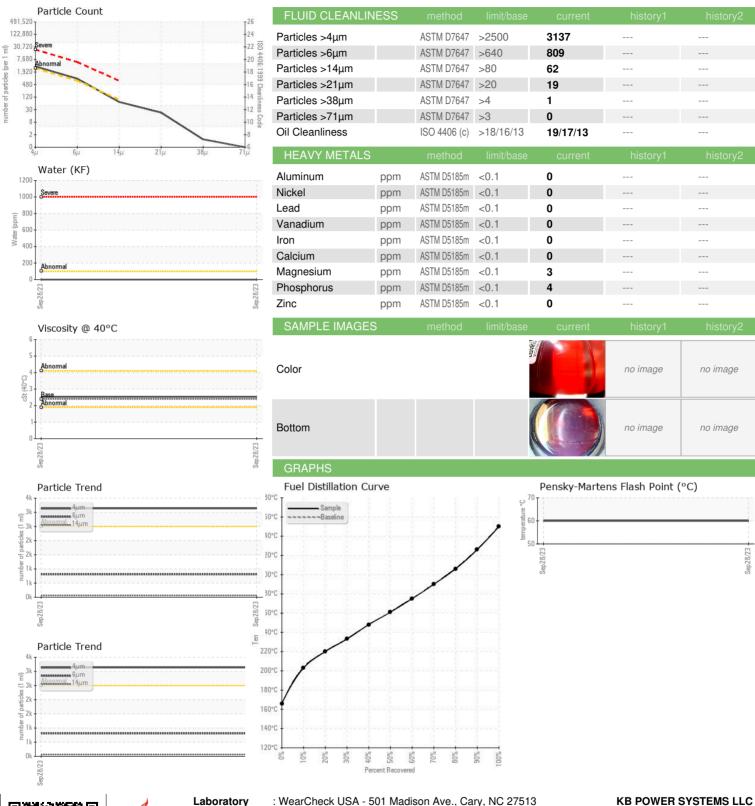
% Biodiesel

1.7

\*In-House <20.0



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Laboratory Sample No. Lab Number Unique Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0798125 : 05965854

: 10672405

Received Diagnosed

: 06 Oct 2023 Diagnostician : Doug Bogart

: 29 Sep 2023

Test Package : DF-2 ( 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. 738 Old Buies Creek Rd

Lillington, NC US 27546

Contact: DWAYNE REGISTER dwayne@kbpowersystemsnc.com T: (919)577-9136

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

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