

### **FUEL REPORT**

## TRUIST WDC AST1-6IN

Component

**Bottom Diesel Fuel** 

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

# Sample Rating Trend ISO

#### **DIAGNOSIS**

#### Recommendation

We advise that you filter this fluid before use. 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

There is a high 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. Sulfur level is acceptable for ULSD specification.

				Sep2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0787048		
Sample Date		Client Info		21 Sep 2023		
Machine Age	hrs	Client Info		0		
Sample Status				ATTENTION		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
	LITTILO		IIIIIIIIIIIIII		HISTORY	HISTOLYZ
Specific Gravity		*ASTM D1298		0.839		
Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500	4.4	L4.5		
Visc @ 40°C	cSt	ASTM D445	4.1	2.46		
Pensky-Martens Flash Point	°C	*PMCC Calculated		58		
SULFUR CONTER	VT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		10		
Sulfur (UVF)	ppm	ASTM D5453		14		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		161		
5% Distillation Point	°C	ASTM D86		187		
10% Distill Point	°C	ASTM D86		199		
15% Distillation Point	°C	ASTM D86		208		
20% Distill Point	°C	ASTM D86		216		
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		274		
70% Distill Point	°C	ASTM D86		289		
80% Distill Point	°C	ASTM D86		305		
85% Distillation Point	°C	ASTM D86		315		
90% Distill Point	°C	ASTM D86		327		
95% Distillation Point	°C	ASTM D86		344		
Final Boiling Point	°C	ASTM D86		352		
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		37.2		
Cetane Index		ASTM D4737	<40.0	48.5		
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	39.4		
% 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** 

: WC0787048 : 05958880

Received Diagnosed : 10660093

: 22 Sep 2023 : 02 Oct 2023 Diagnostician : Doug Bogart Test Package : DF-2 ( Additional Tests: Screen )

Contact: JOHN MORREALE jmorreale@vitalfuelsystems.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)

Contact/Location: JOHN MORREALE - VITAPE

1076 CLASSIC RD

T: (919)629-8180

F: (919)303-7399

APEX, NC

US 27539