

FUEL REPORT

Sample Rating Trend

NORMAL

GOOGLE-LNR-B-2-A

Diesel Fuel Fluid DIESEL FUEL No. 2 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. 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 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.

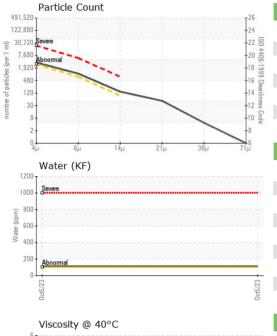
Fuel Condition

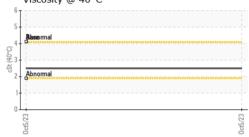
Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

			Oct2023				
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		WC0869444			
Sample Date		Client Info		05 Oct 2023			
Machine Age	hrs	Client Info		0			
Sample Status				NORMAL			
PHYSICAL PROP		mathad	limit/booo	ourropt	biotomut	history ()	
	ENTIES		limit/base	current	history1	history2	
Specific Gravity		*ASTM D1298		0.844			
Fuel Color	text	*Visual Screen		Red			
ASTM Color	scalar	*ASTM D1500		L4.5			
Visc @ 40°C	cSt	ASTM D445	4.1	2.5			
Pensky-Martens Flash Point	°C	*PMCC Calculated		54			
SULFUR CONTEN	NT	method	limit/base	current	history1	history2	
Sulfur	ppm	ASTM D5185m		0			
Sulfur (UVF)	ppm	ASTM D5453		10			
DISTILLATION		method	limit/base	current	history1	history2	
Initial Boiling Point	°C	ASTM D86		146			
5% Distillation Point	°C	ASTM D86		188			
10% Distill Point	°C	ASTM D86		201			
15% Distillation Point	°C	ASTM D86		209			
20% Distill Point	°C	ASTM D86		216			
30% Distill Point	°C	ASTM D86		231			
40% Distill Point	°C	ASTM D86		245			
50% Distill Point	°C	ASTM D86		258			
60% Distill Point	°C	ASTM D86		272			
70% Distill Point	°C	ASTM D86		286			
80% Distill Point	°C	ASTM D86		302			
85% Distillation Point	°C	ASTM D86		312			
90% Distill Point	°C	ASTM D86		324			
95% Distillation Point	°C	ASTM D86		341			
Final Boiling Point	°C	ASTM D86		346			
Distillation Residue	%	ASTM D86		1.4			
Distillation Loss	%	ASTM D86		0.6			
IGNITION QUALIT	ΓY	method	limit/base	current	history1	history2	
API Gravity		ASTM D7777		36.2			
Cetane Index		ASTM D4737	<40.0	46.6			
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	<1			
Water	%	ASTM D6304	<0.05	0.011			
ppm Water	ppm	ASTM D6304	<500	110.7			
% Gasoline	%	*In-House	<0.50	0.0			
% Biodiesel	%	*In-House	<20.0	0.0			



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FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	3019		
Particles >6µm		ASTM D7647	>640	902		
Particles >14µm		ASTM D7647	>80	123		
Particles >21µm		ASTM D7647	>20	45		
Particles >38µm		ASTM D7647	>4	4		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	19/17/14		
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0		
Nickel	ppm	ASTM D5185m	<0.1	0		
Lead	ppm	ASTM D5185m	<0.1	0		
Vanadium	ppm	ASTM D5185m	<0.1	0		
Iron	ppm	ASTM D5185m	<0.1	<1		
Calcium	ppm	ASTM D5185m	<0.1	<1		
Magnesium	ppm	ASTM D5185m	<0.1	<1		
Phosphorus	ppm	ASTM D5185m	<0.1	5		
Zinc	ppm	ASTM D5185m	<0.1	0		
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color			(no image	no image
Bottom					no image	no image
GRAPHS						
Fuel Distillation Cu	rve			Pensky-Marte	ns Flash Point (°C)
	rve		ې ۲0 ۲0	Pensky-Marte	ns Flash Point (°C)
Fuel Distillation Cu	rve		ی 70 عقر 60 الم	Pensky-Marte	ns Flash Point (°C)
Fuel Distillation Cu	rve		50 Paratine		ns Flash Point (°C)
Fuel Distillation Cu	rve		5, 20 autoreaduus 40		ns Flash Point (°C)

%0L

Diagnostician : Doug Bogart

80% 90% %00

: 17 Oct 2023

: 25 Oct 2023

20% 30% 40% 20% %09

Test Package : DF-2 (Additional Tests: Screen)

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

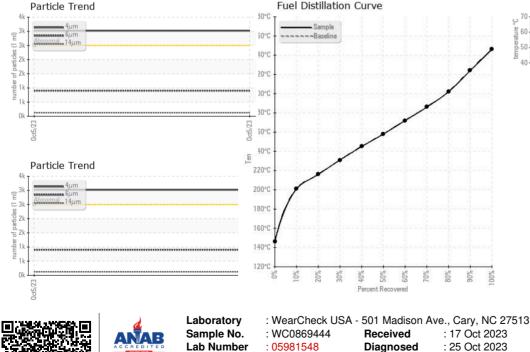
To discuss this sample report, contact Customer Service at 1-800-237-1369.

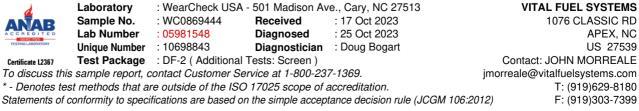
Unique Number : 10698843

Perc

Received

Diagnosed





Report Id: VITAPE [WUSCAR] 05981548 (Generated: 10/29/2023 18:24:02) Rev: 1

Certificate L2367

Contact/Location: JOHN MORREALE - VITAPE