

FUEL REPORT

Area [30041] 16E0009670

Diesel Fuel

DIESEL FUEL No. 2 (--- 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 ultra-low-sulfur diesel fuel.

All metal levels are normal indicating no corrosion in the system.

Contaminants

There is a moderate amount of silt (particulates < 14 microns in size) present in the fuel. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. The water content is negligible.

Fuel Condition

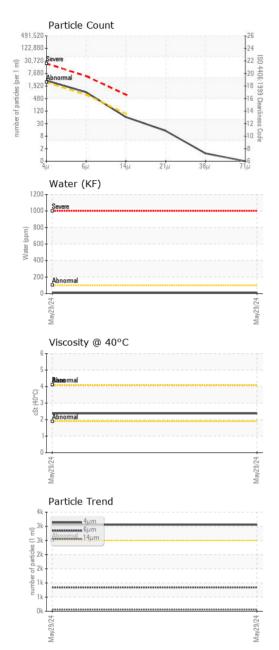
Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

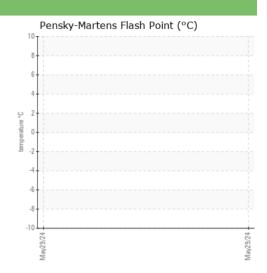
				May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0911310		
Sample Date		Client Info		29 May 2024		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		L4.5		
Visc @ 40°C	cSt	ASTM D445	4.1	2.37		
SULFUR CONTE	VT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		0		
Sulfur (UVF)	ppm	ASTM D5453		10		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<1		
Sodium	ppm	ASTM D5185m	<0.1	2		
Potassium	ppm	ASTM D5185m	<0.1	<1		
Water	%	ASTM D6304	< 0.05	0.001		
ppm Water	ppm	ASTM D6304	<500	9		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	2.7		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	3054		
Particles >6µm		ASTM D7647	>640	841		
Particles >14µm		ASTM D7647	>80	55		
Particles >21µm Particles >38µm		ASTM D7647 ASTM D7647	>20 >4	12 1		
Particles >71µm		ASTM D7647	>4	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	19/17/13		
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HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0		
Nickel	ppm	ASTM D5185m	<0.1	0		
Lead Vanadium	ppm	ASTM D5185m ASTM D5185m	<0.1	<1		
Iron	ppm	ASTM D5185m	<0.1	<1 0		
Calcium	ppm	ASTM D5185m	<0.1	2		
Magnesium	ppm	ASTM D5185m	<0.1	<1		
Phosphorus	ppm	ASTM D5185m	<0.1	3		
Zinc	ppm	ASTM D5185m	<0.1	0		
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color					no image	no image

Bottom



FUEL REPORT







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0911310 Lab Number : 06194561

Unique Number : 11056684 Test Package : DF-5 (Additional Tests: Screen)

Received **Tested** Diagnosed

: 29 May 2024 : 13 Jun 2024

: 13 Jun 2024 - Doug Bogart

IRVING, TX US 75061 Contact: Service Manager servicemid@loftinequip.com

LOFTIN EQUIPMENT

5204 BEAR CREEK CT

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: Service Manager - LOFIRV

T:

F: