

FUEL REPORT

Area
[30040]
82228-2
Component
Diesel Fuel
Fluid



Sample Rating Trend



DIESEL FUEL No. 2 (--- GAL)

Recommendation

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 no bacteria or fungus (yeast and/or mold) indicated in the sample. The water content is negligible. There is no indication of any contamination in the fuel. The amount and size of particulates present in the system are acceptable.

Fuel Condition

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

				Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0911314		
Sample Date		Client Info		24 Apr 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	2.36		
SULFUR CONTE	VT	method	limit/base	current	history1	history2
Sulfur		ASTM D5185m		0		
Sulfur (UVF)	ppm	ASTM D5165111		8		
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	0.002		
ppm Water	ppm	ASTM D6304	<500	22		
% 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	480		
Particles >6μm		ASTM D7647	>640	184		
Particles >14µm		ASTM D7647	>80	15		
Particles >21µm		ASTM D7647	>20	2		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647		0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	16/15/11		
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	<1		
Vanadium	ppm	ASTM D5185m		<1		
Iron	ppm	ASTM D5185m	<0.1	0		
Calcium	ppm	ASTM D5185m	<0.1	0		
Magnesium	ppm	ASTM D5185m ASTM D5185m	<0.1	<1 1		
Phosphorus Zinc	ppm	ASTM D5185m		0		
SAMPLE IMAGES	5	method	limit/base	current	history1	history2
Color					no image	no image

Bottom

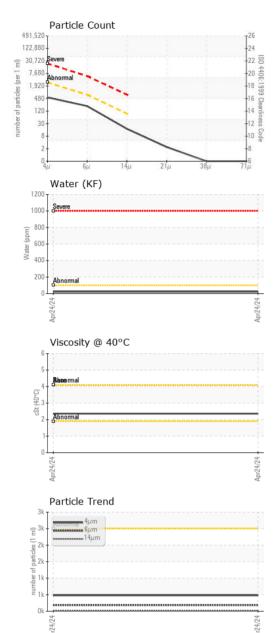
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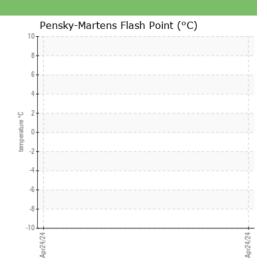
ontact/Location: Service Manager - LOFIRV



FUEL REPORT











Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0911314 Lab Number : 06194560

Unique Number : 11056683

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.

Received **Tested** Diagnosed Test Package : DF-5 (Additional Tests: Screen)

: 29 May 2024 : 13 Jun 2024

: 13 Jun 2024 - Doug Bogart

LOFTIN EQUIPMENT 5204 BEAR CREEK CT

IRVING, TX US 75061

T:

F:

Contact: Service Manager servicemid@loftinequip.com

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

Report Id: LOFIRV [WUSCAR] 06194560 (Generated: 06/15/2024 04:47:18) Rev: 1

Contact/Location: Service Manager - LOFIRV