

FUEL REPORT

Sample Rating Trend

ISO

NHC LAURENS

Component Auxiliary Diesel Fuel Fluid No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)

DIAGNOSIS

A 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. There is no bacteria or fungus (yeast and/or mold) present in the sample.

Fuel Condition

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

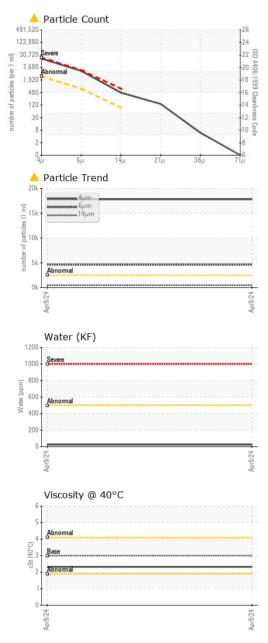
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0901800		
Sample Date		Client Info		09 Apr 2024		
Aachine Age	hrs	Client Info		0		
Sample Status				ABNORMAL		
PHYSICAL PRO	PERTIES	method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		L4.0		
/isc @ 40°C	cSt	ASTM D445	3.0	2.32		
SULFUR CONTE	ENT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0		
Sulfur (UVF)	ppm	ASTM D5453		10		
CONTAMINANT	S	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	0.002		
opm Water	ppm	ASTM D6304	<500	24		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		
FLUID CLEANLI	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	A 17816		
Particles >6µm		ASTM D7647	>640	<u> </u>		
Particles >14µm		ASTM D7647	>80	<u> </u>		
Particles >21µm		ASTM D7647		<u> </u>		
Particles >38µm		ASTM D7647	>4	<u> </u>		
Particles >71µm		ASTM D7647		0		
Dil Cleanliness		ISO 4406 (c)	>18/16/13	21/19/16		
HEAVY METALS	6	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0		
Nickel	ppm	ASTM D5185m		0		
_ead	ppm	ASTM D5185m	<0.1	0		
/anadium	ppm	ASTM D5185m		<1		
ron	ppm	ASTM D5185m	<0.1	0		
Calcium	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	<0.1	0		
Phosphorus Zinc	ppm ppm	ASTM D5185m ASTM D5185m		0		
SAMPLE IMAGE	5	method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image

Contact/Location: HALPH DICKSON IV - DICSHENC

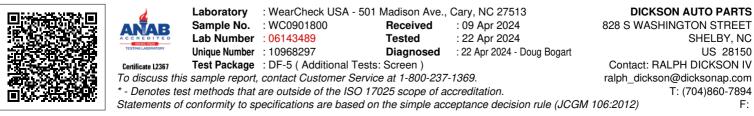


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GRAPHS



	Pensky-Martens Flash Point (°C)	
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	6	
	4	
្	2	
temperature °C	o	
temp	-2	
	4	
	-6 -	
	-8 -	
	.10	
	Apr9/24	Apr9/24 -
	Apr	Apr



Contact/Location: RALPH DICKSON IV - DICSHENC

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