

FUEL REPORT

Kentucky [Kentucky] Diesel - #1 Port

Component **Diesel Fuel**

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (

DIAGNOSIS

Recommendation

All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel. (Customer Sample Comment: Tyson Bias)

Corrosion

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

Contaminants

The water content is negligible. There is no Bacteria, Yeast and/or Fungus indicated in the sample. There is no indication of any contamination in the fuel.

Fuel Condition

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

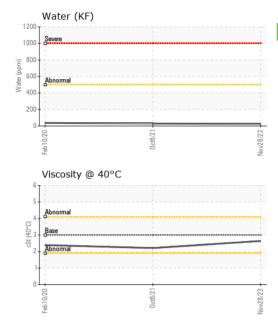
) (17374 GAL)		Fet	2020	Oct2021 Nov20	123	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0600241	WC0600208	WCDF01157
Sample Date		Client Info		28 Nov 2023	08 Oct 2021	10 Feb 2020
Machine Age	hrs	Client Info		0	0	0
Sample Status				NORMAL	NORMAL	NORMAL
PHYSICAL PROP	PERTIES	method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		L4.5	L5.0	L5.5
Visc @ 40°C	cSt	ASTM D445	3.0	2.64	2.21	2.39
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0	2	3
Sulfur (UVF)	ppm	ASTM D5453		9	8	17
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0	0	<1
Sodium	ppm	ASTM D5185m	<0.1	0	0	0
Potassium	ppm	ASTM D5185m	<0.1	<1	0	0
Water	%	ASTM D6304	<0.05	0.003	0.003	0.003
ppm Water	ppm	ASTM D6304	<500	26	29.3	37.4
% Gasoline	%	*In-House	<0.50	0.0	0.0	0.0
% Biodiesel	%	*In-House	<20.0	0.0	3.5	3.1
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	2	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Lead	ppm	ASTM D5185m	<0.1	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Iron	ppm	ASTM D5185m	<0.1	0	0	0
Calcium	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	0 <1
Phosphorus Zinc	ppm ppm	ASTM D5185m ASTM D5185m		0	0	1
SAMPLE IMAGES		method	limit/base		history1	history2
SAMPLE IMAGES	>	methoa	iimii/base	current	nistory i	nistory2
Color						
Bottom						

Sample Rating Trend

NORMAL



FUEL REPORT



Pensky-Martens Flash Point (°C)



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