

OTS ATLANTA GA DC1 [4788] [QTS ATLANTA GA DC1] CUMMINS 2 EAST

Diesel Fuel Fluid

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (10200 GAL)

DIAGNOSIS

Recommendation

All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel.

Corrosion

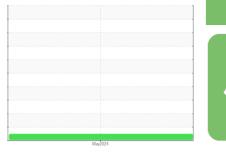
All metal levels are normal indicating no corrosion in the system.

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.



Sample Rating Trend

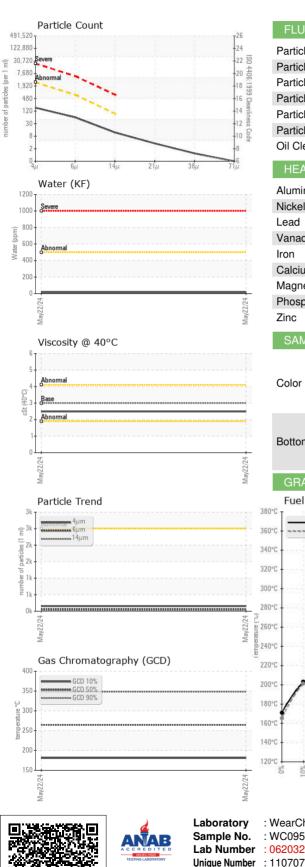


NORMAL

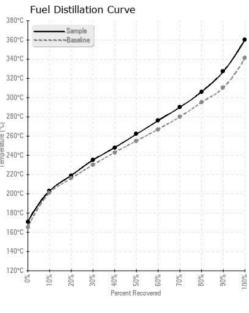
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0953967		
Sample Date		Client Info		22 May 2024		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	Yllow	Red		
ASTM Color	scalar	*ASTM D1500		L4.5		
Visc @ 40°C	cSt	ASTM D445	3.0	2.49		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	60.2		
SULFUR CONTER	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	<1		
Sulfur (UVF)	ppm	ASTM D5453		9		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	171		
5% Distillation Point	°C	ASTM D86		193		
10% Distill Point	°C	ASTM D86	201	203		
15% Distillation Point	°C	ASTM D86		211		
20% Distill Point	°C	ASTM D86	216	219		
30% Distill Point	°C	ASTM D86	230	235		
40% Distill Point	°C	ASTM D86	243	248		
50% Distill Point	°C	ASTM D86	255	262		
60% Distill Point	°C	ASTM D86	267	276		
70% Distill Point	°C	ASTM D86	280	290		
80% Distill Point	°C	ASTM D86	295	306		
85% Distillation Point	°C	ASTM D86		317		
90% Distill Point	°C	ASTM D86	310	327		
95% Distillation Point	°C	ASTM D86		345		
Final Boiling Point	°C	ASTM D86	341	360		
IGNITION QUALIT	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	36		
Cetane Index		ASTM D4737	<40.0	47		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0		
Sodium	ppm	ASTM D5185m	<0.1	2		
Potassium	ppm	ASTM D5185m	<0.1	2		
Water	%	ASTM D6304	<0.05	0.002		
ppm Water	ppm	ASTM D6304	<500	16		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		

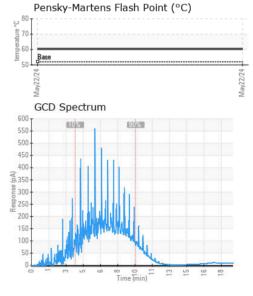


FUEL REPORT



UID CLEANLIN	IESS	method	limit/base	current	history1	history2
cles >4µm		ASTM D7647	>2500	155		
cles >6µm		ASTM D7647	>640	53		
cles >14µm		ASTM D7647	>80	10		
cles >21µm		ASTM D7647	>20	3		
cles >38µm		ASTM D7647	>4	1		
cles >71µm		ASTM D7647	>3	0		
leanliness		ISO 4406 (c)	>18/16/13	14/13/10		
AVY METALS		method	limit/base	current	history1	history2
iinum	ppm	ASTM D5185m	<0.1	0		
əl	ppm	ASTM D5185m	<0.1	0		
	ppm	ASTM D5185m	<0.1	0		
adium	ppm	ASTM D5185m	<0.1	0		
	ppm	ASTM D5185m	<0.1	0		
ium	ppm	ASTM D5185m	<0.1	<1		
nesium	ppm	ASTM D5185m	<0.1	<1		
phorus	ppm	ASTM D5185m	<0.1	6		
	ppm	ASTM D5185m	<0.1	4		
MPLE IMAGES	6	method	limit/base	current	history1	history2
r					no image	no image
om					no image	no image
APHS						





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