

FUEL REPORT

OTS ATLANTA GA DC1 [4618] [QTS ATLANTA GA DC1] CUMMINS 1 CENTER

Diesel Fuel

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

DIAGNOSIS

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.

Corrosion

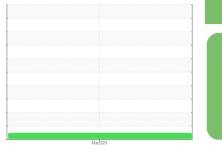
All metal levels are normal indicating no corrosion in the system.

Contaminants

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

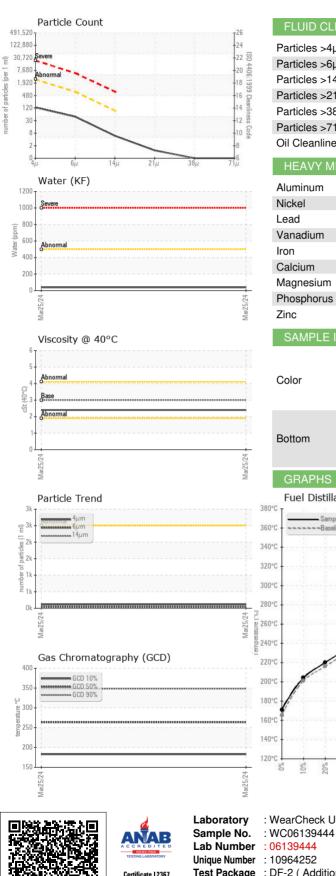


NORMAL

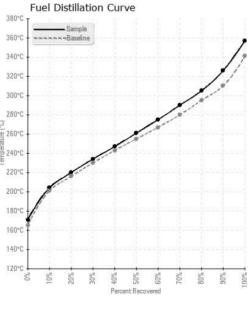
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06139444		
Sample Date		Client Info		25 Mar 2024		
Machine Age		Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	Yllow	Red		
ASTM Color	scalar	*ASTM D1500		L4.0		
Visc @ 40°C	cSt	ASTM D445	3.0	2.4		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	59.9		
SULFUR CONTEI	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0		
Sulfur (UVF)	ppm	ASTM D5453		12		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	171		
5% Distillation Point	°C	ASTM D86		195		
10% Distill Point	°C	ASTM D86	201	204		
15% Distillation Point	°C	ASTM D86		212		
20% Distill Point	°C	ASTM D86	216	220		
30% Distill Point	°C	ASTM D86	230	234		
40% Distill Point	°C	ASTM D86	243	247		
50% Distill Point	°C	ASTM D86	255	261		
60% Distill Point	°C	ASTM D86	267	275		
70% Distill Point	°C	ASTM D86	280	290		
80% Distill Point	°C	ASTM D86	295	305		
85% Distillation Point	°C	ASTM D86		315		
90% Distill Point	°C	ASTM D86	310	326		
95% Distillation Point	°C	ASTM D86		341		
Final Boiling Point	°C	ASTM D86	341	357		
IGNITION QUALI	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	34		
Cetane Index		ASTM D4737	<40.0	44		
CONTAMINANTS		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	0.003		
ppm Water	ppm	ASTM D6304	<500	39		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	1.9		

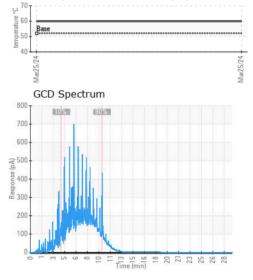


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FLUID CLEANLINESS >2500 114 Particles >4µm ASTM D7647 ----Particles >6um ASTM D7647 >640 41 Particles >14µm ASTM D7647 >80 5 Particles >21µm ASTM D7647 >20 1 Particles >38µm ASTM D7647 0 >4 Particles >71µm 0 ASTM D7647 >3 **Oil Cleanliness** ISO 4406 (c) >18/16/13 14/13/10 HEAVY METALS 0 Aluminum ppm ASTM D5185m <0.1 Nickel ASTM D5185m <0.1 0 ppm ppm ASTM D5185m < 0.1 0 Vanadium ppm ASTM D5185m <0.1 0 ASTM D5185m <0.1 0 naa Calcium 0 ppm ASTM D5185m <0.1 Magnesium ASTM D5185m < 0.1 0 ppm Phosphorus <0.1 0 ppm ASTM D5185m < 0.1 0 ppm ASTM D5185m SAMPLE IMAGES Color no image no image Bottom no image no image GRAPHS Pensky-Martens Flash Point (°C)







: WearCheck USA - 501 Madison Ave., Cary, NC 27513 PETROLEUM RECOVERY SERVICES Received : 04 Apr 2024 210 POWELL DR Tested : 15 Apr 2024 SUMMERVILLE, SC Diagnosed : 15 Apr 2024 - Doug Bogart US 29483 Test Package : DF-2 (Additional Tests: CldPt, Fuel, Screen) Contact: AJAY EL To discuss this sample report, contact Customer Service at 1-800-237-1369. Ajay@prsfuel.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (843)225-1777 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) E: