

FUEL REPORT

Sample Rating Trend

NORMAL

Area **QTS CHICAGO** [QTS CHICAGO] GEN E1

Diesel Fuel

Fluid No.2 DIESEL FUEL (ULTRALOW SULPHUR) (5

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. The amount and size of particulates present in the system are acceptable.

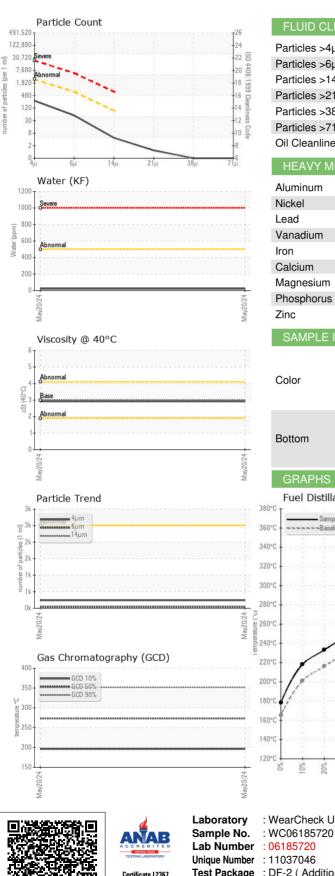
Fuel Condition

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

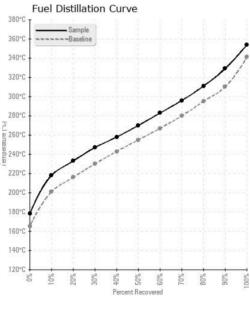
(5000 GAL)				May2024		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06185720		
Sample Date		Client Info		20 May 2024		
Achine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
uel Color	text	*Visual Screen	Yllow	Red		
STM Color	scalar	*ASTM D1500		L4.5		
/isc @ 40°C	cSt	ASTM D445	3.0	2.92		
ensky-Martens Flash Point	°C	*PMCC Calculated	52	65.8		
SULFUR CONTEN	٨T	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0		
Sulfur (UVF)	ppm	ASTM D5453		9		
DISTILLATION		method	limit/base	current	history1	history2
nitial Boiling Point	°C	ASTM D86	165	178		
5% Distillation Point	°C	ASTM D86		207		
0% Distill Point	°C	ASTM D86	201	218		
5% Distillation Point	°C	ASTM D86		225		
20% Distill Point	°C	ASTM D86	216	233		
80% Distill Point	°C	ASTM D86	230	247		
0% Distill Point	°C	ASTM D86	243	258		
50% Distill Point	°C	ASTM D86	255	270		
60% Distill Point	°C	ASTM D86	267	283		
70% Distill Point	°C	ASTM D86	280	296		
30% Distill Point	°C	ASTM D86	295			
			295	311		
5% Distillation Point	°C	ASTM D86	010	320		
00% Distill Point	°C	ASTM D86	310	329		
95% Distillation Point Final Boiling Point	°C °C	ASTM D86 ASTM D86	341	342 354		
-	-		-			
IGNITION QUALIT	Υ	method	limit/base	current	history1	history2
API Gravity Cetane Index		ASTM D7777 ASTM D4737	37.7 <40.0	32 43		
				43		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0		
Sodium	ppm	ASTM D5185m	<0.1	0		
Potassium	ppm	ASTM D5185m	<0.1	0		
Vater	%	ASTM D6304	<0.05	0.002		
pm Water	ppm	ASTM D6304	<500	22		
			0.50	0.0		
6 Gasoline	%	*In-House	<0.50	0.0		

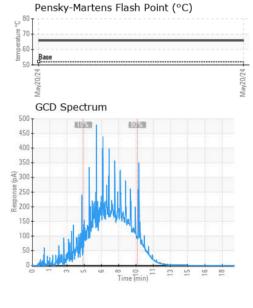


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FLUID CLEANLINESS 241 >2500 Particles >4µm ASTM D7647 ----Particles >6um ASTM D7647 >640 47 Particles >14µm ASTM D7647 >80 4 Particles >21µm ASTM D7647 >20 1 Particles >38µm ASTM D7647 0 >4 Particles >71µm 0 ASTM D7647 >3 **Oil Cleanliness** ISO 4406 (c) >18/16/13 15/13/9 HEAVY METALS 0 Aluminum ppm ASTM D5185m <0.1 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 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 no image no image no image no image GRAPHS







: WearCheck USA - 501 Madison Ave., Cary, NC 27513 PETROLEUM RECOVERY SERVICES Received : 20 May 2024 210 POWELL DR Tested : 28 May 2024 SUMMERVILLE, SC Diagnosed : 28 May 2024 - Sean Felton US 29483 Test Package : DF-2 (Additional Tests: 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:

Report Id: PETSUM [WUSCAR] 06185720 (Generated: 05/28/2024 15:41:05) Rev: 1

Contact/Location: AJAY EL - PETSUM

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