

FUEL REPORT

Area **TAYLOR REGIONAL HOSPITAL [5031]** [TAYLOR REGIONAL HOSPITAL] NEW CAT

Tank Diesel Fuel Fluid DIESEL FUEL No. 2 (5600 GAL)

DIAGNOSIS

Recommendation

All laboratory tests indicate that this sample meets ASTM D975 specifications for No.2 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.



Sample Rating Trend

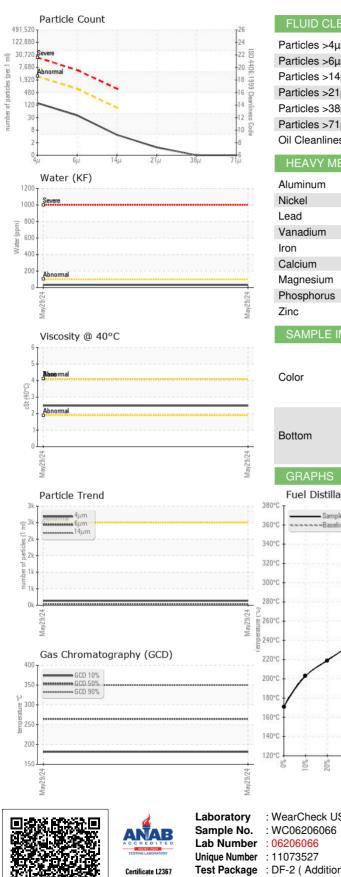


NORMAL

SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06206066		
Sample Date		Client Info		29 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		Red		
ASTM Color	scalar	*ASTM D1500		L4.5		
Visc @ 40°C	cSt	ASTM D445	4.1	2.48		
Pensky-Martens Flash Point	°C	*PMCC Calculated		60.1		
SULFUR CONTER	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		0		
Sulfur (UVF)	ppm	ASTM D5453		18		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		171		
5% Distillation Point	°C	ASTM D86		193		
10% Distill Point	°C	ASTM D86		203		
15% Distillation Point	°C	ASTM D86		211		
20% Distill Point	°C	ASTM D86		219		
30% Distill Point	°C	ASTM D86		234		
40% Distill Point	°C	ASTM D86		248		
50% Distill Point	°C	ASTM D86		262		
60% Distill Point	°C	ASTM D86		276		
70% Distill Point	°C	ASTM D86		290		
80% Distill Point	°C	ASTM D86		306		
85% Distillation Point	°C	ASTM D86		317		
90% Distill Point	°C	ASTM D86		327		
95% Distillation Point	°C	ASTM D86		343		
Final Boiling Point	°C	ASTM D86		359		
IGNITION QUALIT	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		37		
Cetane Index		ASTM D4737	<40.0	49		
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	<1		
Water	%	ASTM D6304	<0.05	0.003		
ppm Water	ppm	ASTM D6304	<500	31		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	1.5		



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NESS	method	limit/base	current	history1	history2
	ASTM D7647	>2500	132		
	ASTM D7647	>640	34		
	ASTM D7647	>80	4		
	ASTM D7647	>20	1		
	ASTM D7647	>4	0		
	ASTM D7647	>3	0		
	ISO 4406 (c)	>18/16/13	14/12/9		
	method	limit/base	current	history1	history2
ppm	ASTM D5185m	<0.1	0		
ppm	ASTM D5185m	<0.1	<1		
ppm	ASTM D5185m	<0.1	0		
ppm	ASTM D5185m	<0.1	0		
ppm	ASTM D5185m	<0.1	0		
ppm	ASTM D5185m	<0.1	0		
ppm	ASTM D5185m	<0.1	<1		
ppm	ASTM D5185m	<0.1	0		
ppm	ASTM D5185m	<0.1	0		
S	method	limit/base	current	history1	history2
				no image	no image
				no image	no image
irve		00 00 00 00 00 00 00 00 00 00 00 00 00	Pensky-Marte	ns Flash Point (°C)
	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ISO 4406 (c) method ppm ASTM D5185m ppm ASTM D5185m	ASTM D7647 >2500 ASTM D7647 >640 ASTM D7647 >80 ASTM D7647 >20 ASTM D7647 >20 ASTM D7647 >20 ASTM D7647 >4 ASTM D7647 >3 ISO 4406 (c) >18/16/13 method limit/base ppm ASTM D5185m <0.1 ppm	ASTM D7647 >2500 132 ASTM D7647 >640 34 ASTM D7647 >80 4 ASTM D7647 >20 1 ASTM D7647 >20 1 ASTM D7647 >4 0 ASTM D7647 >3 0 ISO 4406 (c) >18/16/13 14/12/9 method limit/base current ppm ASTM D5185m <0.1 0 ppm ASTM D5185m	ASTM D7647 >2500 132 ASTM D7647 >640 34 ASTM D7647 >80 4 ASTM D7647 >20 1 ASTM D7647 >20 1 ASTM D7647 >3 0 ASTM D7647 >3 0 ASTM D7647 >3 0 ISO 4406 (c) >18/16/13 14/12/9 ppm ASTM D5185m <0.1 0 ppm ASTM D5185m <0.1 0

May May GCD Spectrum 600 100 550 500 450 400 € 350 300 8 250 200 150 100 50 Time (min) 5 16 20



PETROLEUM RECOVERY SERVICES : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 10 Jun 2024 210 POWELL DR Received Tested : 19 Jun 2024 SUMMERVILLE, SC Diagnosed : 19 Jun 2024 - Elizabeth Valachovic 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)

30% 40% 20% %09 %0L 80% %06 %00

Perce nt Recovered

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