

# **FUEL REPORT**

# Area **TAYLOR REGIONAL HOSPITAL [5029]** [TAYLOR REGIONAL HOSPITAL] MAIN BOILER

Tank Diesel Fuel Fluid DIESEL FUEL No. 2 (1000 GAL)

### DIAGNOSIS

### Recommendation

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

# Corrosion

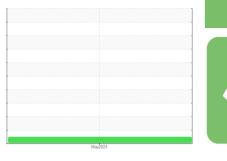
All metal levels are normal indicating no corrosion in the system.

### 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

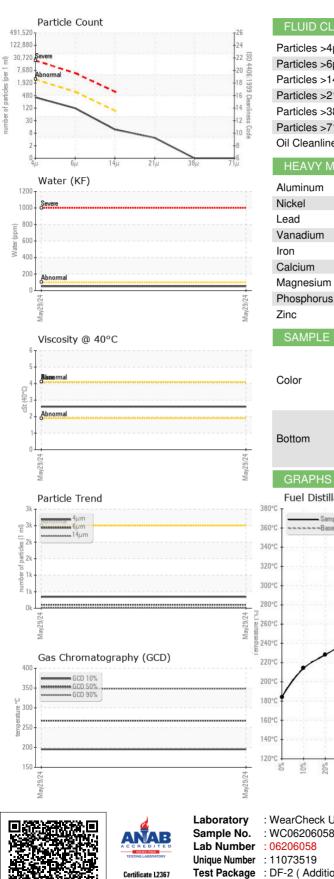


NORMAL

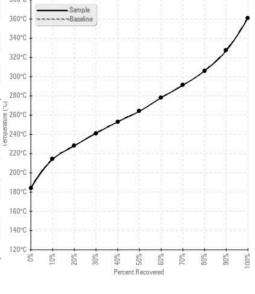
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06206058		
Sample Date		Client Info		29 May 2024		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500		L4.5		
Visc @ 40°C	cSt	ASTM D445	4.1	2.6		
Pensky-Martens Flash Point	°C	*PMCC Calculated		72.3		
SULFUR CONTER	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		622		
Sulfur (UVF)	ppm	ASTM D5453		529		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		184		
5% Distillation Point	°C	ASTM D86		207		
10% Distill Point	°C	ASTM D86		214		
15% Distillation Point	°C	ASTM D86		221		
20% Distill Point	°C	ASTM D86		228		
30% Distill Point	°C	ASTM D86		241		
40% Distill Point	°C	ASTM D86		253		
50% Distill Point	°C	ASTM D86		264		
60% Distill Point	°C	ASTM D86		278		
70% Distill Point	°C	ASTM D86		291		
80% Distill Point	°C	ASTM D86		306		
85% Distillation Point	°C	ASTM D86		316		
90% Distill Point	°C	ASTM D86		327		
95% Distillation Point	°C	ASTM D86		345		
Final Boiling Point	°C	ASTM D86		361		
IGNITION QUALI	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		35		
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	<1		
Water	%	ASTM D6304	< 0.05	0.005		
ppm Water	ppm	ASTM D6304	<500	52		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		

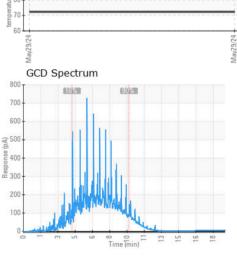


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LUID CLEANLIN	ESS	method	limit/base	current	history1	history2	
rticles >4µm		ASTM D7647	>2500	345			
rticles >6µm		ASTM D7647	>640	105			
rticles >14µm		ASTM D7647	>80	10			
rticles >21µm		ASTM D7647	>20	4			
rticles >38µm		ASTM D7647	>4	0			
rticles >71µm		ASTM D7647	>3	0			
Cleanliness		ISO 4406 (c)	>18/16/13	16/14/10			
IEAVY METALS		method	limit/base	current	history1	history2	
ıminum	ppm	ASTM D5185m	<0.1	0			
kel	ppm	ASTM D5185m	<0.1	<1			
ad	ppm	ASTM D5185m	<0.1	0			
nadium	ppm	ASTM D5185m	<0.1	0			
n	ppm	ASTM D5185m	<0.1	0			
lcium	ppm	ASTM D5185m	<0.1	0			
Ignesium	ppm	ASTM D5185m	<0.1	<1			
osphorus	ppm	ASTM D5185m	<0.1	0			
IC	ppm	ASTM D5185m	<0.1	0			
AMPLE IMAGES	6	method	limit/base	current	history1	history2	
lor					no image	no image	
ttom					no image	no image	
RAPHS							
uel Distillation Curve				Pensky-Martens Flash Point (°C)			
Sample			ture	RO			
Raseline							





PETROLEUM RECOVERY SERVICES : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC06206058 210 POWELL DR Received : 10 Jun 2024 Tested : 19 Jun 2024 SUMMERVILLE, SC Diagnosed : 19 Jun 2024 - Elizabeth Valachovic 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)

Contact/Location: AJAY EL - PETSUM

Page 2 of 2

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