

## **FUEL REPORT**

### Area **TAYLOR REGIONAL HOSPITAL [5033] [TAYLOR REGIONAL HOSPITAL] GEN 1**

Tank Diesel Fuel Fluid DIESEL FUEL No. 2 (336 GAL)

#### 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

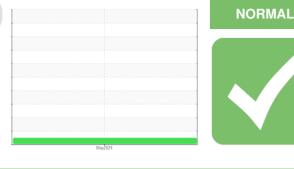
All metal levels are normal indicating no corrosion in the system.

### 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.

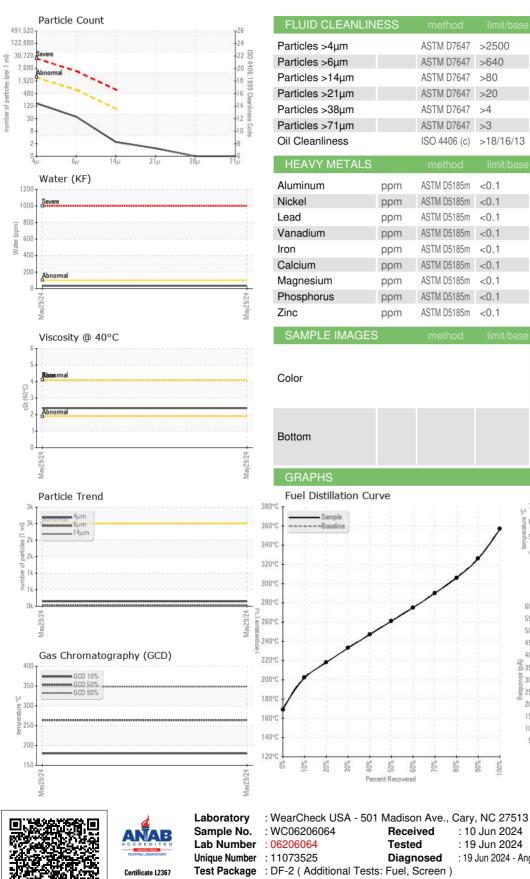


Sample Rating Trend

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06206064		
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	2.39		
Pensky-Martens Flash Point	°C	*PMCC Calculated		58		
SULFUR CONTER	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		0		
Sulfur (UVF)	ppm	ASTM D5453		15		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		169		
5% Distillation Point	°C	ASTM D86		192		
10% Distill Point	°C	ASTM D86		202		
15% Distillation Point	°C	ASTM D86		210		
20% Distill Point	°C	ASTM D86		218		
30% Distill Point	°C	ASTM D86		233		
40% Distill Point	°C	ASTM D86		247		
50% Distill Point	°C	ASTM D86		261		
60% Distill Point	°C	ASTM D86		275		
70% Distill Point	°C	ASTM D86		290		
80% Distill Point	°C	ASTM D86		306		
85% Distillation Point	°C	ASTM D86		316		
90% Distill Point	°C	ASTM D86		326		
95% Distillation Point	°C	ASTM D86		342		
Final Boiling Point	°C	ASTM D86		357		
IGNITION QUALI	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	33		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	1.8		



# **FUEL REPORT**



FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	145		
Particles >6µm		ASTM D7647	>640	33		
Particles >14µm		ASTM D7647	>80	2		
Particles >21µm		ASTM D7647	>20	1		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	14/12/9		
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0		
Nickel	ppm	ASTM D5185m	<0.1	<1		
_ead	ppm	ASTM D5185m	<0.1	0		
Vanadium	ppm	ASTM D5185m	<0.1	0		
ron	ppm	ASTM D5185m	<0.1	0		
Calcium	ppm	ASTM D5185m	<0.1	0		
Magnesium	ppm	ASTM D5185m	<0.1	<1		
Phosphorus	ppm	ASTM D5185m	<0.1	0		
Zinc	ppm	ASTM D5185m	<0.1	0		
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image
GRAPHS						1
Fuel Distillation Cu	rve			Pensky-Marte	ns Flash Point (	°C)
T 10 10 10 10			70	,		
Sample			ှ 70 မို 60			
			0 61			
Sample			20 10 10 10 10 10 10 10 10 10 1	) 		
Sample			0 temperature 60 41 41	) 		
Sample			C <sup>71</sup> temperature 13 14	May29/24		
Sample			4	GCD Spectrur		
Baseline		_	60	GCD Spectrur		
Sample			4	GCD Spectrur	n	
Sample	_		40 600 550 500 450	GCD Spectrur	n	
Sample	_		600 550 500 450	GCD Spectrur	n	
Sample	/		40 600 550 500 450	GCD Spectrur	n	

150

100

50

%00

: 10 Jun 2024

: 19 Jun 2024

: 19 Jun 2024 - Angela Borella

To discuss this sample report, contact Customer Service at 1-800-237-1369.

20% 30% 40% 20% %09 %0L 80% 90%

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Perce nt Recovered

Received

Diagnosed

Tested

Report Id: PETSUM [WUSCAR] 06206064 (Generated: 06/22/2024 14:41:42) Rev: 1

Contact/Location: AJAY EL - PETSUM

PETROLEUM RECOVERY SERVICES

Time (min)

1, 16 20

210 POWELL DR

Contact: AJAY EL

Ajay@prsfuel.com

T: (843)225-1777

SUMMERVILLE, SC

Page 2 of 2

F:

US 29483