

## FUEL REPORT

# OTS SUWANEE DC1 [17716] [QTS SUWANEE DC1] TRANSFER #4 SOUTH

**Diesel Fuel** 

Fluid No.2 DIESEL FUEL (ULTRALOW SULPHUR) (3000 GAL)

## DIAGNOSIS

#### Recommendation

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

#### Corrosion

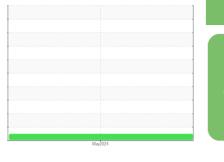
All metal levels are normal indicating no corrosion in the system.

### Contaminants

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

#### **Fuel Condition**

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



Sample Rating Trend

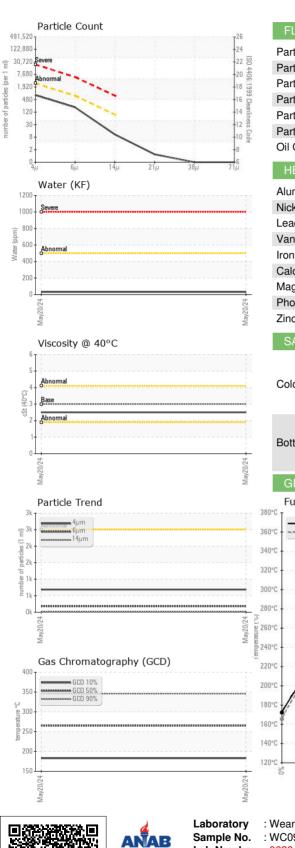


NORMAL

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0953837		
Sample Date		Client Info		20 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	Yllow	Red		
ASTM Color	scalar	*ASTM D1500		L4.5		
Visc @ 40°C	cSt	ASTM D445	3.0	2.5		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	61.4		
SULFUR CONTER	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	4		
Sulfur (UVF)	ppm	ASTM D5453		12		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	172		
5% Distillation Point	°C	ASTM D86		195		
10% Distill Point	°C	ASTM D86	201	205		
15% Distillation Point	°C	ASTM D86		213		
20% Distill Point	°C	ASTM D86	216	221		
30% Distill Point	°C	ASTM D86	230	236		
40% Distill Point	°C	ASTM D86	243	249		
50% Distill Point	°C	ASTM D86	255	262		
60% Distill Point	°C	ASTM D86	267	276		
70% Distill Point	°C	ASTM D86	280	290		
80% Distill Point	°C	ASTM D86	295	304		
85% Distillation Point	°C	ASTM D86		315		
90% Distill Point	°C	ASTM D86	310	326		
95% Distillation Point	°C	ASTM D86		344		
Final Boiling Point	°C	ASTM D86	341	360		
IGNITION QUALIT	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	36		
Cetane Index		ASTM D4737	<40.0	48		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<1		
Sodium	ppm	ASTM D5185m	<0.1	2		
Potassium	ppm	ASTM D5185m	<0.1	2		
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	0.0		



# FUEL REPORT



LUID CLEANLI	NESS	method	limit/base	current	history1	history2
rticles >4µm		ASTM D7647	>2500	687		
rticles >6µm		ASTM D7647	>640	178		
rticles >14µm		ASTM D7647	>80	9		
rticles >21µm		ASTM D7647	>20	1		
rticles >38µm		ASTM D7647	>4	0		
rticles >71µm		ASTM D7647	>3	0		
Cleanliness		ISO 4406 (c)	>18/16/13	17/15/10		
IEAVY METALS		method	limit/base	current	history1	history2
ıminum	ppm	ASTM D5185m	<0.1	0		
kel	ppm	ASTM D5185m	<0.1	0		
ad	ppm	ASTM D5185m	<0.1	1		
nadium	ppm	ASTM D5185m	<0.1	0		
n	ppm	ASTM D5185m	<0.1	1		
lcium	ppm	ASTM D5185m	<0.1	0		
gnesium	ppm	ASTM D5185m	<0.1	0		
osphorus	ppm	ASTM D5185m	<0.1	0		
ic	ppm	ASTM D5185m	<0.1	0		
AMPLE IMAGE	S	method	limit/base	current	history1	history2
lor					no image no image	no image
				<b>NOP</b>		
RAPHS				Den de Marte		
uel Distillation Cu	urve		8	Pensky-Marte	ns Flash Point (	°C)
Sample Baseline			temperature °C	0		
			l l l l l l l l l l l l l l l l l l l	0 - Base		
			// <sup>#</sup> s	0 + 7		24
		/		May20/24		May20/24
		1.00		≊ GCD Spectru	m	Ma
		1.00	60			
	1		55	0+	130%	
			50			
			40	n		
1.00			(Fd) 35	0 -		
1			(Fd) 35 8 uodeau 25 8 uodeau 25	0		
(			8 25 20			
			15			
			10	0		
			5		N.	
10% - 20% - 30% -	50% -	70% - 80% -			Time (min)	15
10 20 30	202	70 80	90% 100%		time fram)	



PETROLEUM RECOVERY SERVICES : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0953837 Received : 07 Jun 2024 210 POWELL DR Lab Number : 06204051 Tested : 13 Jun 2024 SUMMERVILLE, SC Unique Number : 11071512 Diagnosed : 13 Jun 2024 - Elizabeth Valachovic Test Package : DF-2 (Additional Tests: Fuel, Screen) Contact: AJAY EL Certificate 12367 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)

Percent Recovered

-

Report Id: PETSUM [WUSCAR] 06204051 (Generated: 06/15/2024 07:29:14) Rev: 1

Contact/Location: AJAY EL - PETSUM

F:

US 29483