

**Diesel Fuel** Fluid

# No.2 DIESEL FUEL (ULTRALOW SULPHUR) (4200 GAL)

# DIAGNOSIS

#### Recommendation

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. 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.



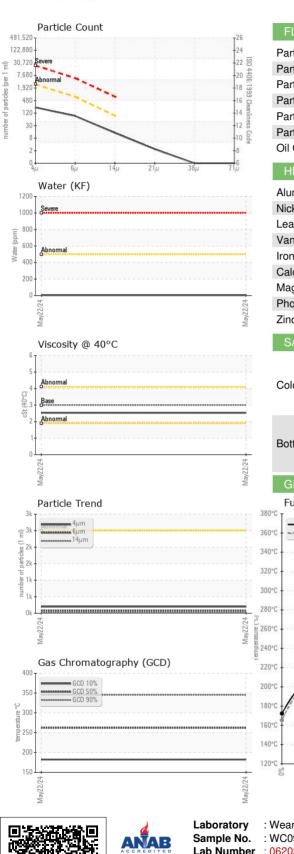
Sample Rating Trend



SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0953926		
Sample Date		Client Info		22 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	2.53		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	61.6		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	4		
Sulfur (UVF)	ppm	ASTM D5453		8		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	172		
5% Distillation Point	°C	ASTM D86		194		
10% Distill Point	°C	ASTM D86	201	204		
15% Distillation Point	°C	ASTM D86		212		
20% Distill Point	°C	ASTM D86	216	219		
30% Distill Point	°C	ASTM D86	230	233		
40% Distill Point	°C	ASTM D86	243	247		
50% Distill Point	°C	ASTM D86	255	260		
60% Distill Point	°C	ASTM D86	267	273		
70% Distill Point	°C	ASTM D86	280	287		
80% Distill Point	°C	ASTM D86	295	303		
85% Distillation Point	°C	ASTM D86		314		
90% Distill Point	°C	ASTM D86	310	325		
95% Distillation Point	°C	ASTM D86		343		
Final Boiling Point	°C	ASTM D86	341	357		
IGNITION QUALI	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	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	2		
Potassium	ppm	ASTM D5185m	<0.1	2		
Water	%	ASTM D6304	<0.05	0.001		
ppm Water	ppm	ASTM D6304	<500	4		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



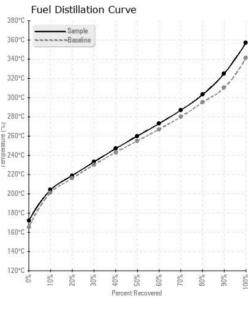
# FUEL REPORT

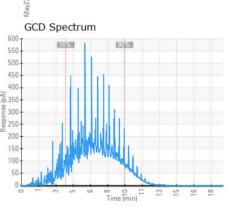


LUID CLEANLI	NESS	method	limit/base	current	history1	history2
rticles >4µm		ASTM D7647	>2500	199		
rticles >6µm		ASTM D7647	>640	77		
rticles >14µm		ASTM D7647	>80	12		
rticles >21µm		ASTM D7647	>20	2		
rticles >38µm		ASTM D7647	>4	0		
rticles >71µm		ASTM D7647	>3	0		
Cleanliness		ISO 4406 (c)	>18/16/13	15/13/11		
IEAVY METALS	;	method	limit/base	current	history1	history2
ıminum	ppm	ASTM D5185m	<0.1	0		
ckel	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	<1		
Ignesium	ppm	ASTM D5185m	<0.1	<1		
osphorus	ppm	ASTM D5185m	<0.1	9		
IC	ppm	ASTM D5185m	<0.1	5		
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
lor					no image	no image
ttom					no image	no image
RAPHS						
uel Distillation C	urve		-	Pensky-Marte	ns Flash Point (	°C)
Sample Baseline			temperature °C	Base		4
		1		May22/24		Mav22/24

Bot







PETROLEUM RECOVERY SERVICES : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0953926 : 07 Jun 2024 210 POWELL DR Received Lab Number : 06203217 Tested : 13 Jun 2024 SUMMERVILLE, SC Unique Number : 11070678 Diagnosed : 13 Jun 2024 - Elizabeth Valachovic Test Package : DF-2 (Additional Tests: Fuel, Screen) Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - 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)

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Contact/Location: AJAY EL - PETSUM

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