

# **FUEL REPORT**

## Area Prisma Health-Information Service Center [15019] [Prisma Health-Information Service Center] ISC

**Diesel Fuel** Fluid

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (4000 GAL)

### DIAGNOSIS

#### 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

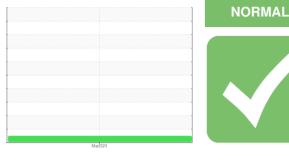
All metal levels are normal indicating no corrosion in the system.

#### Contaminants

The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. 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. Sulfur level is acceptable for ULSD specification.



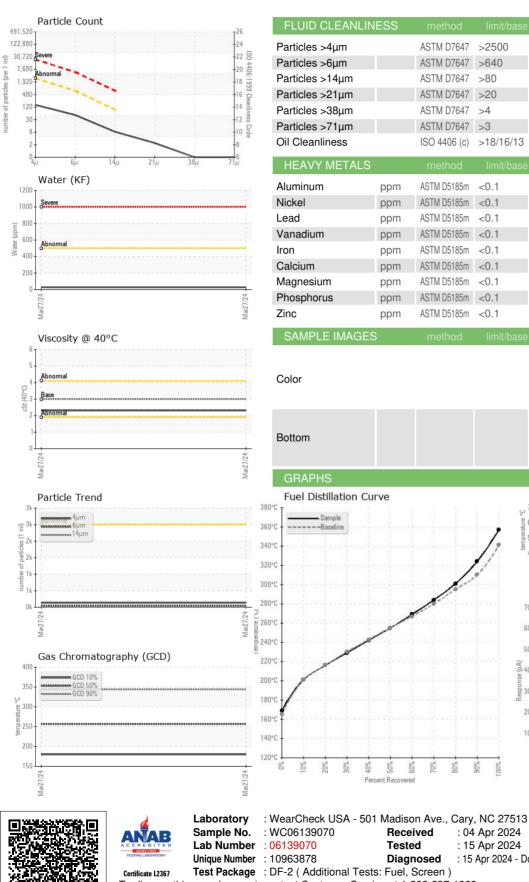


SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06139070		
Sample Date		Client Info		27 Mar 2024		
Machine Age	hrs	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	Yllow	Red		
ASTM Color	scalar	*ASTM D1500		L4.0		
Visc @ 40°C	cSt	ASTM D445	3.0	2.31		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	58.4		
SULFUR CONTER	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0		
Sulfur (UVF)	ppm	ASTM D5453		8		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	169		
5% Distillation Point	°C	ASTM D86		192		
10% Distill Point	°C	ASTM D86	201	201		
15% Distillation Point	°C	ASTM D86		209		
20% Distill Point	°C	ASTM D86	216	216		
30% Distill Point	°C	ASTM D86	230	229		
40% Distill Point	°C	ASTM D86	243	242		
50% Distill Point	°C	ASTM D86	255	255		
60% Distill Point	°C	ASTM D86	267	269		
70% Distill Point	°C	ASTM D86	280	284		
80% Distill Point	°C	ASTM D86	295	301		
85% Distillation Point	°C	ASTM D86		312		
90% Distill Point	°C	ASTM D86	310	324		
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	47		
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	0		
Water	%	ASTM D6304	< 0.05	0.003		
ppm Water	ppm	ASTM D6304	<500	27		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		

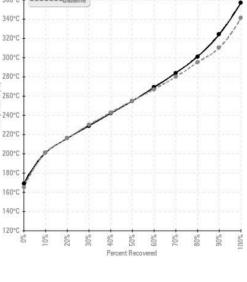
Sample Rating Trend



# FUEL REPORT



LUID CLEANLI	NESS	method	limit/base	current	history1	history2
ticles >4µm		ASTM D7647	>2500	136		
ticles >6µm		ASTM D7647	>640	44		
ticles >14µm		ASTM D7647	>80	7		
ticles >21µm		ASTM D7647	>20	2		
ticles >38µm		ASTM D7647	>4	0		
ticles >71µm		ASTM D7647	>3	0		
Cleanliness		ISO 4406 (c)	>18/16/13	14/13/10		
EAVY METALS	6	method	limit/base	current	history1	history2
minum	ppm	ASTM D5185m	<0.1	0		
kel	ppm	ASTM D5185m	<0.1	0		
d	ppm	ASTM D5185m	<0.1	0		
nadium	ppm	ASTM D5185m	<0.1	0		
I	ppm	ASTM D5185m	<0.1	0		
cium	ppm	ASTM D5185m	<0.1	0		
gnesium	ppm	ASTM D5185m	<0.1	0		
sphorus	ppm	ASTM D5185m	<0.1	0		
C	ppm	ASTM D5185m	<0.1	0		
AMPLE IMAGE	S	method	limit/base	current	history1	history2
or					no image	no image
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RAPHS						
uel Distillation C	urve		ې <sup>70</sup>	Pensky-Marte	ns Flash Point (	°C)
Sample			ູ , ທ ຍິ 60	1		
Baseline			temperature 00	Base		
			40	<u>+</u>		
		/	1	Mar27/24		Mar27/24
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Received

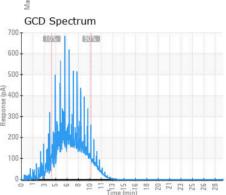
Diagnosed

Tested

: 04 Apr 2024

: 15 Apr 2024

: 15 Apr 2024 - Doug Bogart



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)

PETROLEUM RECOVERY SERVICES 210 POWELL DR SUMMERVILLE, SC US 29483 Contact: AJAY EL Ajay@prsfuel.com T: (843)225-1777 E:

Report Id: PETSUM [WUSCAR] 06139070 (Generated: 05/27/2024 14:37:20) Rev: 1

Contact/Location: AJAY EL - PETSUM

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