

### FUEL REPORT

Sample Rating Trend

### NORMAL

#### Machine Id

# STEWARD HEALTH CARE - MRMC DAY TANK 2

Tank Diesel Fuel

#### Fluid No.2 DIESEL FUEL (ULTRALOW SULPHUR) (275 GAL)

#### DIAGNOSIS

#### Recommendation

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

#### Corrosion

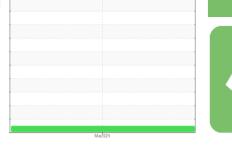
All metal levels are normal indicating no corrosion in the system.

#### 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.

#### **Fuel Condition**

Sulfur value derived by ASTM D5453 method for ULSD validation.

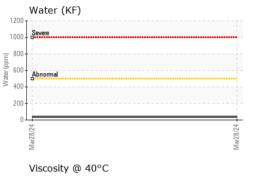


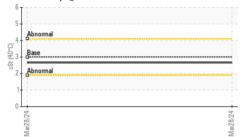


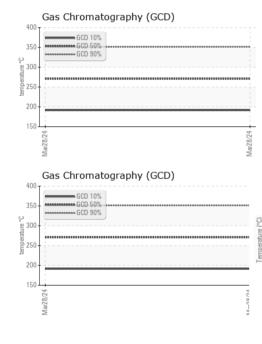
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WCDF4582		
Sample Date		Client Info		28 Mar 2024		
Machine Age	mls	Client Info		0		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	Yllow	Red		
ASTM Color	scalar	*ASTM D1500		L5.0		
Visc @ 40°C	cSt	ASTM D445	3.0	2.66		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	67.8		
Cloud Point	°C	ASTM D5771		-12		
SULFUR CONTER	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	917		
Sulfur (UVF)	ppm	ASTM D5453		805		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	179		
5% Distillation Point	°C	ASTM D86		203		
10% Distill Point	°C	ASTM D86	201	212		
15% Distillation Point	°C	ASTM D86		220		
20% Distill Point	°C	ASTM D86	216	228		
30% Distill Point	°C	ASTM D86	230	242		
40% Distill Point	°C	ASTM D86	243	254		
50% Distill Point	°C	ASTM D86	255	267		
60% Distill Point	°C	ASTM D86	267	280		
70% Distill Point	°C	ASTM D86	280	294		
80% Distill Point	°C	ASTM D86	295	309		
85% Distillation Point	°C	ASTM D86		319		
90% Distill Point	°C	ASTM D86	310	329		
95% Distillation Point	°C	ASTM D86		345		
Final Boiling Point	°C	ASTM D86	341	359		
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	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	36		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



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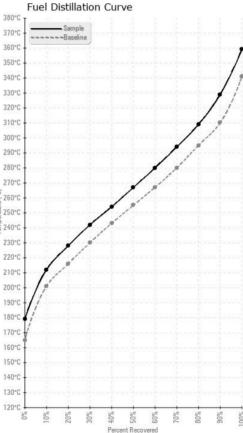




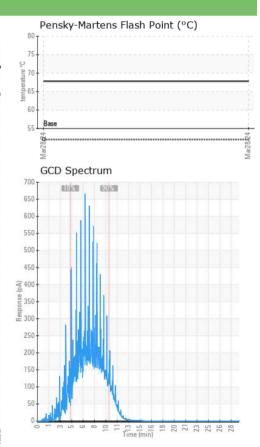
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0		
Nickel	ppm	ASTM D5185m	<0.1	0		
Lead	ppm	ASTM D5185m	<0.1	0		
Vanadium	ppm	ASTM D5185m	<0.1	0		
Iron	ppm	ASTM D5185m	<0.1	0		
Calcium	ppm	ASTM D5185m	<0.1	0		
Magnesium	ppm	ASTM D5185m	<0.1	0		
Phosphorus	ppm	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

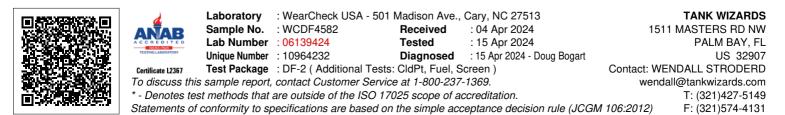












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