

FUEL REPORT

Sample Rating Trend

SEDIMENT

Machine Id

HCA FLORIDA LAWNWOOD HOSPITAL ER GEN

Bulk Tank Diesel Fuel

DDSL (2525 GAL)

DIAGNOSIS

Recommendation

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.

Corrosion

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

Contaminants

Moderate concentration of visible dirt/debris present in the fuel. There is a moderate amount of visible silt present in the sample. The water content is negligible.

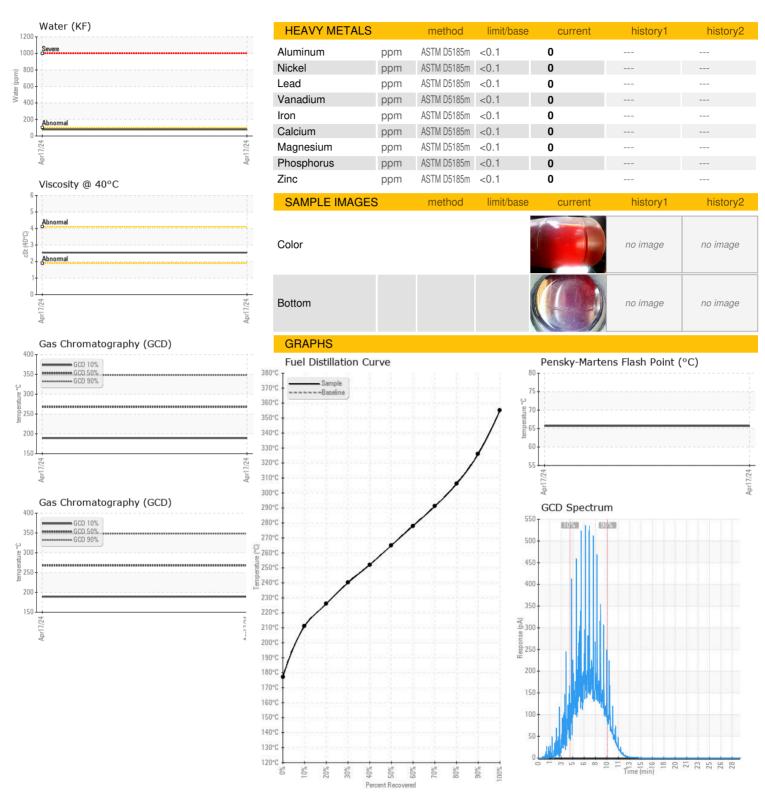
Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

Sample Number Client Info WCDF4598					Apr2024		
Sample Number Client Info WCDF4598	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Date Client Info 17 Apr 2024	Sample Number		Client Info		WCDF4598		
Machine Age Mals Client Info ABNORMAL College College	·						
PHYSICAL PROPERTIES method limit/base current history1 history2		mls			•		
Fuel Color							
ASTM Color	PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
ASTM Color Scalar ASTM D1500 L6.0 Visc @ 40°C cSt ASTM D445 2.54 Persky-Marters Flash Point °C PMCC Calculated 65.7 Cloud Point °C ASTM D5771 -11 SULFUR CONTENT method limit/base current history1 history2 Sulfur ppm ASTM D5185m 100 Sulfur ppm ASTM D5453 201 DISTILLATION method limit/base current history1 history2 Simitial Boiling Point °C ASTM D86 177 Simitial Boiling Point °C ASTM D86 201 Simitial Boiling Point °C ASTM D86 201 Simitial Boiling Point °C ASTM D86 211 Simitial Point °C ASTM D86 218 Simitial Point °C ASTM D86 226 Simitial Point °C ASTM D86 252 Simitial Point °C ASTM D86 265 Simitial Point °C ASTM D86 265 Simitial Point °C ASTM D86 291 Simitial Point °C ASTM D86 306 Simitial Point °C ASTM D86 316 Simitial Point °C ASTM D86 326 Simitial Point °C ASTM D86 342 Simitial Point °C ASTM D86 342 Simitial Point °C ASTM D86 342 Simitial Point °C ASTM D86 342 Simitial Point °C ASTM D86 342	Fuel Color	text	*Visual Screen		Red		
Visc @ 40°C	ASTM Color	scalar	*ASTM D1500		L6.0		
SULFUR CONTENT method limit/base current history1 history2	Visc @ 40°C		ASTM D445		2.54		
SULFUR CONTENT method limit/base current history1 history2			*PMCC Calculated				
Sulfur ppm ASTM D5185m 100 Sulfur (UVF) ppm ASTM D5453 201 Sulfur (UVF) ppm ASTM D5453 201	•						
Sulfur ppm ASTM D5185m 100 Sulfur (UVF) ppm ASTM D5453 201 Sulfur (UVF) ppm ASTM D5453 201		NT		limit/base	current	history1	hietory2
DISTILLATION				IIIIII Dasc		Thistory	HIStory
DISTILLATION							
Initial Boiling Point	Sulfur (UVF)	ppm	ASTM D5453		201		
5% Distillation Point °C ASTM D86 201 10% Distill Point °C ASTM D86 211 15% Distillation Point °C ASTM D86 218 20% Distill Point °C ASTM D86 226 30% Distill Point °C ASTM D86 240 50% Distill Point °C ASTM D86 252 50% Distill Point °C ASTM D86 265 50% Distill Point °C ASTM D86 291 30% Distill Point °C ASTM D86 306 30% Distill Point °C ASTM D86 316 30% Distill Point °C ASTM D86 342 30% Distill Point °C ASTM D86 342 30% Distill Point °C AST	DISTILLATION		method	limit/base	current	history1	history2
10% Distill Point	nitial Boiling Point	°C	ASTM D86		177		
15% Distillation Point °C ASTM D86 218	5% Distillation Point	°C	ASTM D86		201		
20% Distill Point °C ASTM D86 226 30% Distill Point °C ASTM D86 240 40% Distill Point °C ASTM D86 252 50% Distill Point °C ASTM D86 265 50% Distill Point °C ASTM D86 291 30% Distill Point °C ASTM D86 306 30% Distill Point °C ASTM D86 316 30% Distill Point °C ASTM D86 326 30% Distillation Point °C ASTM D86 342 30% Distillation Point °C ASTM D86 342 49 Final Boiling Point °C ASTM D86 355 4PI Gravity ASTM D7777 36 Cetane Index ASTM D5185m <1.0	10% Distill Point	°C	ASTM D86		211		
240	15% Distillation Point	°C	ASTM D86		218		
#40% Distill Point	20% Distill Point	°C	ASTM D86		226		
Soliciticols Soli	30% Distill Point	°C	ASTM D86		240		
278	40% Distill Point	°C	ASTM D86		252		
70% Distill Point °C ASTM D86 291 30% Distill Point °C ASTM D86 306 35% Distillation Point °C ASTM D86 326 35% Distillation Point °C ASTM D86 342 35% Distillation Point °C ASTM D86 355 Final Boiling Point °C ASTM D86 355 IGNITION QUALITY method limit/base current history1 history2 API Gravity ASTM D4737 <40.0	50% Distill Point	°C	ASTM D86		265		
30% Distill Point	60% Distill Point	°C	ASTM D86		278		
35% Distillation Point °C ASTM D86 316	70% Distill Point	°C	ASTM D86		291		
90% Distill Point	80% Distill Point	°C	ASTM D86		306		
35% Distillation Point °C ASTM D86 342 Final Boiling Point °C ASTM D86 355 IGNITION QUALITY method limit/base current history1 history2 API Gravity ASTM D7777 36 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 0 Potassium ppm ASTM D5185m <0.1 0 Water % ASTM D6304 <0.05 0.007 Opm Water ppm ASTM D6304 <500 79 Gasoline % *In-House <0.50 0.00 Contamination Contamination ASTM D6304 <0.05 Contamination Contaminati	35% Distillation Point	°C	ASTM D86		316		
IGNITION QUALITY	90% Distill Point	°C	ASTM D86		326		
IGNITION QUALITY	95% Distillation Point	°C	ASTM D86		342		
API Gravity ASTM D7777 36 Cetane Index ASTM D4737 <40.0 49 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m <1.0 Sodium ppm ASTM D5185m <0.1 Potassium ppm ASTM D5185m <0.1 O Potassium ppm ASTM D5185m <0.1 O Water % ASTM D6304 <0.05 O .007 ppm Water ppm ASTM D6304 <500 79 % Gasoline % *In-House <0.50 O .00	Final Boiling Point	°C	ASTM D86		355		
Cetane Index ASTM D4737 <40.0	IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m <1.0	API Gravity		ASTM D7777		36		
Silicon ppm ASTM D5185m <1.0 0 Sodium ppm ASTM D5185m <0.1 0 Potassium ppm ASTM D5185m <0.1 0 Water % ASTM D6304 <0.05 0.007 ppm Water ppm ASTM D6304 <500 79 % Gasoline % *In-House <0.50 0.0	Cetane Index		ASTM D4737	<40.0	49		
Sodium ppm ASTM D5185m <0.1 0 Potassium ppm ASTM D5185m <0.1	CONTAMINANTS		method	limit/base	current	history1	history2
Sodium ppm ASTM D5185m <0.1 0 Potassium ppm ASTM D5185m <0.1	Silicon	ppm	ASTM D5185m	<1.0	0		
Potassium ppm ASTM D5185m <0.1 0 Water % ASTM D6304 <0.05 0.007 opm Water ppm ASTM D6304 <500 79 % Gasoline % *In-House <0.50 0.0			ASTM D5185m	< 0.1			
Water % ASTM D6304 <0.05 0.007 opm Water ppm ASTM D6304 <500 79 % Gasoline % *In-House <0.50 0.0	Potassium		ASTM D5185m	<0.1	0		
ppm Water ppm ASTM D6304 <500 79 % Gasoline *In-House <0.50 0.0	Water		ASTM D6304	< 0.05	0.007		
% Gasoline % *In-House <0.50 0.0	opm Water		ASTM D6304		79		
	% Biodiesel	%	*In-House				



FUEL REPORT





Certificate 12367

Laboratory Sample No.

: WCDF4598 Lab Number : 06159565

Unique Number : 10994988

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received **Tested** Diagnosed

: 24 Apr 2024 : 06 May 2024

: 06 May 2024 - Doug Bogart Test Package: DF-2 (Additional Tests: CldPt, Fuel, PrtCount, Screen)

Contact: WENDALL STRODERD

wendall@tankwizards.com T: (321)427-5149

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - 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) F: (321)574-4131 Contact/Location: 321-285-8878 X1 - WENDALL STRODERD - TANPAL

TANK WIZARDS

PALM BAY, FL

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