

FUEL REPORT

Sample Rating Trend



Machine Id

HCA FLORIDA LAWNWOOD HOSPITAL FIRE PUMP CAT SCAN

Component

Bulk Tank Diesel Fuel

DDSL (1200 GAL)

Recommendation

All laboratory tests indicate that this sample meets specifications for No.2 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. There is no indication of any contamination in the fuel.

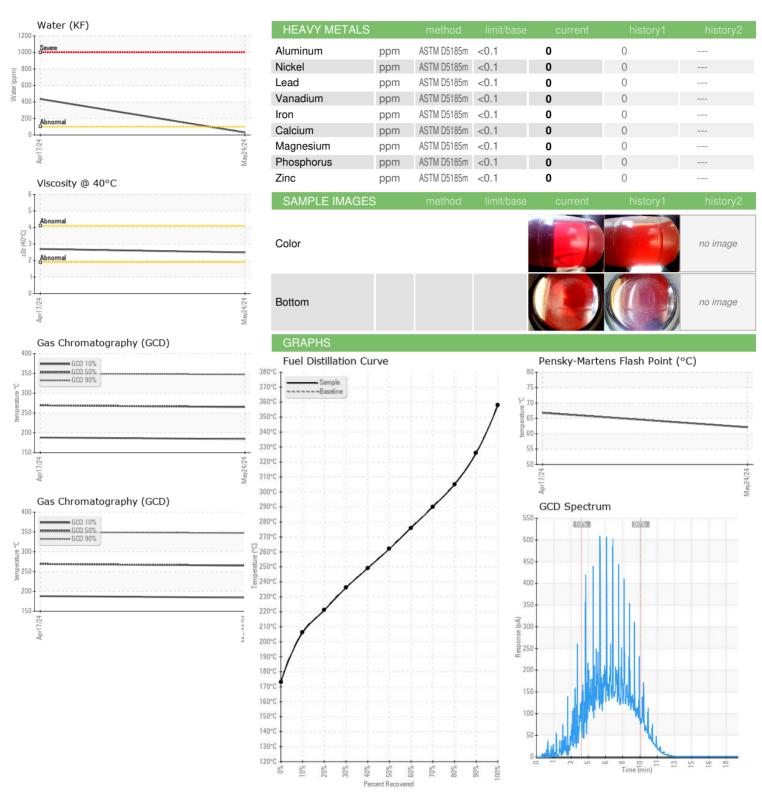
Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

ASTM Color Visc @ 40°C CSt ASTM D445 2.49 2.7 Pensky-Martens Flash Point °C PMCCGaluided 62.1 66.8 Cloud Point °C ASTM D5771 SULFUR CONTENT method Iimit/base current history1 history2 Sulfur ppm ASTM D5453 365 279 Sulfur (UVF) ppm ASTM D5453 354 314 DISTILLATION method Iimit/base current history1 history2 Initial Boiling Point °C ASTM D86 173 178 179 178 178 179 178 179 178 178 179 178 179 178 179 178 179 178 179 178 179 178 179 178 179 178 179 178 179 178 179 178 179 178 179 178 179 179 179 179 179 179 179				Apr2024	May2024		
Sample Number Client Info WCDF4617 WCDF4599 WCDF4599	SAMPLE INFORM	MATION	mothod	limit/base	ourront	history1	hictory?
Sample Date Client Info 24 May 2024 17 Apr 2024		IATION		IIIIII/Dase		· ·	,
Machine Age Mas Client Info NORMAL ABNORMAL	·						
PHYSICAL PROPERTIES method limit/base current history1 history2	•				-		
PHYSICAL PROPERTIES method limit/base current history1 history2 Fuel Color text "Visual Screen Red Red ASTM Color scalar "ASTM D1500 L5.5 L5.5 Visc @ 40°C cst ASTM D445 2.49 2.7 Peresty-Martens Flash Point "C PMCC Gauded 62.1 66.8 Cloud Point "C ASTM D5771 -11 -11 SULFUR CONTENT method limit/base current history1 history2 Sulfur (UVF) ppm ASTM D5185m 365 279 Sulfur (UVF) ppm ASTM D5653 354 314 DISTILLATION method limit/base current history1 history2 Initial Boiling Point "C ASTM D86 173 178 DISTILLATION method limit/base current history1 <		mls	Client Info		-		
Fuel Color text 'Visual Screen Red Red ASTM Color scalar 'ASTM D1500 L5.5 L5.5 Visc @ 40°C c5t ASTM D445 2.49 2.7 Pensky-Mariens Flash Point °C PMCC Cauded 62.1 66.8 Cloud Point °C ASTM D5771 -11 -11 SULFUR CONTENT method limit/base current history1 history2 Sulfur ppm ASTM D5185m 365 279 Sulfur (UVF) ppm ASTM D5453 354 314 DISTILLATION method limit/base current history1 history2 DISTILLATION method limit/base current history1 history2 Signification Point °C ASTM D86 173 178 CONTAMINANTS method 196 200 ASTM D86 214 217 ASTM D86 216 221 225 ASTM D86 221 225 ASTM D86 221 225 ASTM D86 221 225 ASTM D86 226 266 ASTM D86 249 253 ASTM D86 249 253 CO ASTM D86 26 276 279 ASTM D86 305 307 385% Distill Point °C ASTM D86 260 276 279 CO ASTM D86 305 307 307 365% Distill Point °C ASTM D86 305 307 307 365% Distill Point °C ASTM D86 305 307 307 365% Distill Point °C ASTM D86 305 307 307 365% Distill Point °C ASTM D86 305 307 307 365% Distill Point °C ASTM D86 305 307 307 365% Distill Point °C ASTM D86 305 307 307 365% Distill Point °C ASTM D86 305 307 307 365% Distill Point °C ASTM D86 305 307 307 365% Distill Point °C ASTM D86 305 307 307 365% Distill Point °C ASTM D86 305 307 307 365% Distill Point °C ASTM D86 305 307 307 365% Distill Point °C ASTM D86 305 307 307 365% Distill Point °C ASTM D86 305 307 307 365% Distill Point °C ASTM D86 305 307 307 365% Distill Point °C ASTM D86 305 307 307 365% Distill Point °C ASTM D86 305 307 307 307 307 307 307 307 307 307 307	Sample Status				NORMAL	ABNORMAL	
ASTM Color Scalar ASTM D1500 L5.5 L5.5 Visc @ 40°C cSt ASTM D445 2.49 2.7 Pensky-Martens Flash Point °C PMCC Calculated 62.1 66.8 Cloud Point °C ASTM D5771 -11 -11 SULFUR CONTENT method limit/base current history1 history2 Sulfur ppm ASTM D5453 354 314 DISTILLATION method limit/base current history1 history2 Sulfur ppm ASTM D5453 354 314 DISTILLATION method limit/base current history1 history2 Silfur pint °C ASTM D86 173 178 10% Distillation Point °C ASTM D86 196 200 10% Distill Point °C ASTM D86 206 210 15% Distillation Point °C ASTM D86 214 217 20% Distill Point °C ASTM D86 221 225 20% Distill Point °C ASTM D86 236 240 40% Distill Point °C ASTM D86 236 240 40% Distill Point °C ASTM D86 249 253 50% Distill Point °C ASTM D86 262 266 60% Distill Point °C ASTM D86 262 266 60% Distill Point °C ASTM D86 262 266 60% Distill Point °C ASTM D86 290 292 80% Distill Point °C ASTM D86 305 307 80% Distill Point °C ASTM D86 305 307 80% Distill Point °C ASTM D86 316 318 90% Distill Point °C ASTM D86 326 328 90% Distill Point °C ASTM D86 343 345 80% Distill Point °C ASTM D86 343 345	PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Visc @ 40°C CSt	Fuel Color	text	*Visual Screen		Red	Red	
Perisky-Martens Flash Point °C PMICC cliculated 62.1 66.8	ASTM Color	scalar	*ASTM D1500		L5.5	L5.5	
SULFUR CONTENT method limit/base current history1 history2	Visc @ 40°C	cSt	ASTM D445		2.49	2.7	
SULFUR CONTENT method limit/base current history1 history2 Sulfur ppm ASTM D5185m 365 279 Sulfur (UVF) ppm ASTM D5453 354 314 DISTILLATION method limit/base current history1 history2 Initial Boiling Point °C ASTM D86 173 178 5% Distillation Point °C ASTM D86 196 200 10% Distill Point °C ASTM D86 206 210 15% Distill Point °C ASTM D86 214 217 20% Distill Point °C ASTM D86 221 225 30% Distill Point °C ASTM D86 249 253 40% Distill Point °C ASTM D86 262 266 50% Distill Point °C ASTM D86 290 292 30% Distill Point	Pensky-Martens Flash Point	°C	*PMCC Calculated		62.1	66.8	
Sulfur ppm ASTM D5185m 365 279 Sulfur (UVF) ppm ASTM D5453 354 314 DISTILLATION method limit/base current history1 Initial Boiling Point °C ASTM D86 173 178 5% Distillation Point °C ASTM D86 196 200 10% Distill Point °C ASTM D86 206 210 15% Distill Point °C ASTM D86 214 217 20% Distill Point °C ASTM D86 221 225 30% Distill Point °C ASTM D86 236 240 40% Distill Point °C ASTM D86 249 253 50% Distill Point °C ASTM D86 262 266 80% Distill Point °C ASTM D86 305 307 85% Distillation P	Cloud Point	°C	ASTM D5771		-11	-11	
DISTILLATION	SULFUR CONTE	NΤ	method	limit/base	current	history1	history2
DISTILLATION	Sulfur	ppm	ASTM D5185m		365	279	
Initial Boiling Point	Sulfur (UVF)	ppm	ASTM D5453		354	314	
5% Distillation Point	DISTILLATION		method	limit/base	current	history1	history2
10% Distill Point	Initial Boiling Point	°C	ASTM D86		173	178	
15% Distillation Point	5% Distillation Point	°C	ASTM D86		196	200	
15% Distillation Point	10% Distill Point	°C	ASTM D86		206	210	
20% Distill Point	15% Distillation Point	°C	ASTM D86			217	
40% Distill Point			ASTM D86				
40% Distill Point	30% Distill Point	°C	ASTM D86		236	240	
60% Distill Point	40% Distill Point	°C	ASTM D86			253	
290 292 290 292 290 292 292 292 292 292 292 292 292 292 292 292 292 292 293 293 293 294 294 294 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295 295	50% Distill Point	°C	ASTM D86		262	266	
80% Distill Point	60% Distill Point	°C	ASTM D86		276	279	
80% Distill Point	70% Distill Point	°C	ASTM D86			292	
90% Distill Point °C ASTM D86 326 328 95% Distillation Point °C ASTM D86 343 345 95% Distillation Point °C ASTM D86 343 345 Final Boiling Point °C ASTM D86 358 367 IGNITION QUALITY method limit/base current history1 history2 API Gravity ASTM D7777 36 35 Cetane Index ASTM D4737 <40.0 47 47 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m <1.0 0 0 Sodium ppm ASTM D5185m <0.1 <1 0 Potassium ppm ASTM D5185m <0.1 1 0 Water % ASTM D6304 <0.05 0.003	80% Distill Point	°C	ASTM D86			307	
95% Distillation Point °C	85% Distillation Point	°C	ASTM D86		316	318	
Final Boiling Point °C ASTM D86 358 367 IGNITION QUALITY method limit/base current history1 history2 API Gravity ASTM D7777 36 35 Cetane Index ASTM D4737 <40.0 47 47 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m <1.0 0 0 Sodium ppm ASTM D5185m <0.1 <1 0 Potassium ppm ASTM D5185m <0.1 1 0 0 Water % ASTM D6304 <0.05 0.003 ○ 0.043 ppm Water ppm ASTM D6304 <500 29 437 % Gasoline % *In-House <0.50 0.00 0.0	90% Distill Point	°C	ASTM D86		326	328	
IGNITION QUALITY method limit/base current history1 history2	95% Distillation Point	°C	ASTM D86		343	345	
API Gravity ASTM D7777 ASTM D4737 <40.0 ATTM D5185m <1.0 O O O Sodium ppm ASTM D5185m <0.1 Potassium ppm ASTM D5185m <0.1 1 0 Water ASTM D6304 <0.05 D.003 O.043 Popm Water ppm ASTM D6304 <500 29 437 Gasoline % *In-House <0.50 0.00 O.00	Final Boiling Point	°C	ASTM D86		358	367	
Cetane Index ASTM D4737 <40.0	IGNITION QUALIT	ГΥ	method	limit/base	current	history1	history2
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m <1.0	API Gravity		ASTM D7777		36	35	
Silicon ppm ASTM D5185m <1.0 0 0 Sodium ppm ASTM D5185m <0.1 <1 0 Potassium ppm ASTM D5185m <0.1 1 0 Water % ASTM D6304 <0.05 0.003 △ 0.043 ppm Water ppm ASTM D6304 <500 29 437 % Gasoline % *In-House <0.50 0.0 0.0	Cetane Index		ASTM D4737	<40.0	47	47	
Sodium ppm ASTM D5185m <0.1	CONTAMINANTS		method	limit/base	current	history1	history2
Sodium ppm ASTM D5185m <0.1 <1 0 Potassium ppm ASTM D5185m <0.1	Silicon	ppm	ASTM D5185m	<1.0	0	0	
Potassium ppm ASTM D5185m <0.1 1 0 Water % ASTM D6304 <0.05 0.003 △ 0.043 ppm Water ppm ASTM D6304 <500 29 437 % Gasoline % *In-House <0.50 0.0 0.0	Sodium		ASTM D5185m				
Water % ASTM D6304 <0.05 0.003 △ 0.043 ppm Water ppm ASTM D6304 <500 29 437 % Gasoline % *In-House <0.50 0.0 0.0	Potassium					0	
ppm Water ppm ASTM D6304 <500 29 437 % Gasoline % *In-House <0.50 0.0 0.0	Water	• •					
% Gasoline	ppm Water						
	% Gasoline						
	% Biodiesel						



FUEL REPORT





Certificate 12367

Laboratory Sample No.

: WCDF4617 Lab Number : 06197196

Unique Number : 11059319

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 31 May 2024 **Tested**

Diagnosed

: 11 Jun 2024 : 11 Jun 2024 - Doug Bogart

Test Package: DF-2 (Additional Tests: CldPt, Fuel, PrtCount, Screen) To discuss this sample report, contact Customer Service at 1-800-237-1369.

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US 32907

 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)