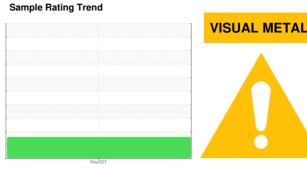


FUEL REPORT

MUSC Columbia - Downtown [MUSC Columbia - Downtown] TANK 1 MAIN 1

Left Diesel Fuel

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (15000 GAL)



DIAGNOSIS

Recommendation

We advise that you inspect tank and use off-line filtration to improve the cleanliness of the system fluid if applicable. All other laboratory tests indicate that this sample meets specifications for No.2 lowsulfur diesel fuel. We advise an early resample to confirm this situation. Please note that this is a corrected copy for diagnostic comment updates.

Corrosion

Light concentration of visible metal present.

Contaminants

Moderate concentration of visible dirt/debris present in the fuel. The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. The amount and size of suspended particulates present in the system are acceptable.

Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

R) (15000 GAL)			ı	May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06179666		
Sample Date		Client Info		08 May 2024		
Machine Age	hrs	Client Info		0		
Sample Status				ABNORMAL		
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	2.3		
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	57.6		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	11		
Sulfur (UVF)	ppm	ASTM D5453		20		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	167		
5% Distillation Point	°C	ASTM D86		187		
10% Distill Point	°C	ASTM D86	201	198		
15% Distillation Point	°C	ASTM D86		206		
20% Distill Point	°C	ASTM D86	216	213		
30% Distill Point	°C	ASTM D86	230	228		
40% Distill Point	°C	ASTM D86	243	241		
50% Distill Point	°C	ASTM D86	255	254		
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	359		
IGNITION QUALIT	ΓΥ	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	<1		
Sodium	ppm	ASTM D5185m	< 0.1	<1		
Potassium	ppm	ASTM D5185m	<0.1	0		
Water	%	ASTM D6304	< 0.05	0.004		
ppm Water	ppm	ASTM D6304	< 500	49		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



FUEL REPORT







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06179666

: WC06179666

Unique Number : 11030992

Diagnosed : 21 May 2024 - Doug Bogart Test Package: DF-2 (Additional Tests: BACTERIA, Fuel, Screen) To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received

Tested

: 14 May 2024

: 21 May 2024

* - 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

Contact/Location: AJAY EL - PETSUM