

FUEL REPORT

833 - PARMELE UNIT 1

Component

Diesel Fuel

{not provided} (--- GAL)

Sample Rating Trend



DIAGNOSIS

Recommendation

Recommend pre-filtering before use. 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 a high amount of particulates present in the fuel. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. The water content is negligible.

Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

			,	Apr2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0798138		
Sample Date		Client Info		11 Apr 2023		
Machine Age	hrs	Client Info		0		
Sample Status				ABNORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		0.846		
Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500		L4.5		
Visc @ 40°C	cSt	ASTM D445		2.57		
Pensky-Martens Flash Point	°C	*PMCC Calculated		65		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		0		
Sulfur (UVF)	ppm	ASTM D5453		182		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		176		
5% Distillation Point	°C	ASTM D86		198		
10% Distill Point	°C	ASTM D86		207		
15% Distillation Point	°C	ASTM D86		216		
20% Distill Point	°C	ASTM D86		222		
30% Distill Point	°C	ASTM D86		236		
40% Distill Point	°C	ASTM D86		250		
50% Distill Point	°C	ASTM D86		264		
60% Distill Point	°C	ASTM D86		278		
70% Distill Point	°C	ASTM D86		293		
80% Distill Point	°C	ASTM D86		308		
85% Distillation Point	°C	ASTM D86		318		
90% Distill Point	°C	ASTM D86		328		
95% Distillation Point	°C	ASTM D86		343		
Final Boiling Point	°C	ASTM D86		351		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		8.0		
IGNITION QUALIT	ГҮ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		35.8		
Cetane Index		ASTM D4737	<40.0	47.3		
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	0.005		
ppm Water	ppm	ASTM D6304	< 500	56.2		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	2.1		



FUEL REPORT





Laboratory Sample No. Lab Number

: WC0798138

: 05833382

Tested Unique Number: 10446875 Diagnosed

Received

: 28 Apr 2023

: 10 May 2023 : 12 May 2023 - Doug Bogart

Test Package: DF-2 (Additional Tests: Screen)

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)

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