

FUEL REPORT

SAPP BROS PETROLEUM Tank Fidelity Sapp Storage

Diesel Fuel

60/40 RED WITH ADDITIVE (--- GAL)

Sample Rating Trend



DIAGNOSIS

Recommendation

Recommend pre-filter before use. All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel.

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

Contaminants

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

Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

CAMPLE INCOR	AATIONI	and the seal	Page 21 //page 22 /		lata ta a a d	In the transport
SAMPLE INFORM	IATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		SBP0004162		
Sample Date		Client Info		15 May 2023		
Machine Age	days	Client Info		0		
Sample Status				ABNORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history 1	history 2
Specific Gravity		*ASTM D1298		0.841		
Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500		4.0		
Visc @ 40°C	cSt	ASTM D445		2.29		
Pensky-Martens Flash Point	°C	*PMCC Calculated		63		
Cloud Point	°C	ASTM D5771		-18		
Pour Point	°C	ASTM D5950		-50		
SULFUR CONTE	\IT	method	limit/base	current	history 1	history 2
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Sulfur	ppm	ASTM D5185m		6		
Sulfur (UVF)	ppm	ASTM D5453		10		
DISTILLATION		method	limit/base	current	history 1	history 2
Initial Boiling Point	°C	ASTM D86		172		
5% Distillation Point	°C	ASTM D86		192		
10% Distill Point	°C	ASTM D86		199		
15% Distillation Point	°C	ASTM D86		204		
20% Distill Point	°C	ASTM D86		209		
30% Distill Point	°C	ASTM D86		221		
40% Distill Point	°C	ASTM D86		233		
50% Distill Point	°C	ASTM D86		246		
60% Distill Point	°C	ASTM D86		260		
70% Distill Point	°C	ASTM D86		276		
80% Distill Point	°C	ASTM D86		294		
85% Distillation Point	°C	ASTM D86		305		
90% Distill Point	°C	ASTM D86		318		
95% Distillation Point	°C	ASTM D86		339		
Final Boiling Point	°C	ASTM D86		347		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		1.0		
IGNITION QUALIT	ГҮ	method	limit/base	current	history 1	history 2
API Gravity		ASTM D7777		36.8		
Cetane Index		ASTM D4737	<40.0	45.6		
CONTAMINANTS		method	limit/base	current	history 1	history 2
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	52.1		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



FUEL REPORT





Laboratory Sample No. Lab Number **Unique Number**

: SBP0004162 : 05849077

: 10473184

Received : 16 May 2023 Diagnosed : 01 Jun 2023

Diagnostician : Doug Bogart

Test Package : DF-3 (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)

Sapp Bros. Petroleum - Omaha - OMA

9915 South 148th OMAHA, NE

US 68138 Contact: Service Manager

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