

FUEL REPORT

Machine Id 262 - SANDY POINT

Component **Diesel Fuel**

{not provided} (--- GAL)

Sample Rating Trend ISO

DIAGNOSIS

Recommendation

Recommend pre-filtering before use. All laboratory tests indicate that this sample meets specifications for No.2 ultra-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. Sulfur level is acceptable for ULSD specification.

			1	Mar2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0798119		
Sample Date		Client Info		08 Mar 2023		
Machine Age	hrs	Client Info		0		
Sample Status				ABNORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		0.839		
Fuel Color	text	*Visual Screen		Yllow		
ASTM Color	scalar	*ASTM D1500		L1.0		
Visc @ 40°C	cSt	ASTM D445		2.44		
Pensky-Martens Flash Point	°C	*PMCC Calculated		59		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		0		
Sulfur (UVF)	ppm	ASTM D5453		8		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		165		
5% Distillation Point	°C	ASTM D86		188		
10% Distill Point	°C	ASTM D86		198		
15% Distillation Point	-	ASTM D86		208		
20% Distill Point	°C	ASTM D86		215		
30% Distill Point	°C	ASTM D86		229		
40% Distill Point	°C	ASTM D86		243		
50% Distill Point	°C	ASTM D86		257		
60% Distill Point 70% Distill Point	°C	ASTM D86		272 288		
80% Distill Point	°C	ASTM D86		305		
85% Distillation Point	°C	ASTM D86		315		
90% Distill Point	°C	ASTM D86		327		
95% Distillation Point	°C	ASTM D86		343		
Final Boiling Point	°C	ASTM D86		351		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		0.7		
IGNITION QUALIT	ГΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		37.2		
Cetane Index		ASTM D4737	<40.0	48.1		
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	0.003		
ppm Water	ppm	ASTM D6304	< 500	27.1		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



FUEL REPORT





Certificate L2367

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0798119

: 05833357 : 10446850

Recieved : 28 Apr 2023 Diagnosed

: 09 May 2023

Diagnostician : 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)

KB POWER SYSTEMS LLC

738 Old Buies Creek Rd Lillington, NC US 27546

Contact: DWAYNE REGISTER dwayne@kbpowersystemsnc.com

T: (919)577-9136

F: