

# **FUEL REPORT**

Sample Rating Trend

ISO

# SIS 25 - 4520 BUNNLEVEL ERWIN RD

Component

**Diesel Fuel** 

{not provided} (--- GAL)

## **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.

			,	Mar2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0798109		
Sample Date		Client Info		06 Mar 2023		
Machine Age	hrs	Client Info		0		
Sample Status	1110			ABNORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
	LITTILO		IIIIII/Dase		Thistory	HIStory2
Specific Gravity Fuel Color	tovt	*ASTM D1298		0.837		
ASTM Color	text	*Visual Screen		Pink		
	scalar	*ASTM D1500		L3.5 2.46		
Visc @ 40°C	cSt					
Pensky-Martens Flash Point	°C	*PMCC Calculated		58		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		0		
Sulfur (UVF)	ppm	ASTM D5453		9		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		162		
5% Distillation Point	°C	ASTM D86		187		
10% Distill Point	°C	ASTM D86		199		
15% Distillation Point	°C	ASTM D86		208		
20% Distill Point	°C	ASTM D86		215		
30% Distill Point	°C	ASTM D86		229		
40% Distill Point	°C	ASTM D86		244		
50% Distill Point	°C	ASTM D86		257		
60% Distill Point	°C	ASTM D86		272		
70% Distill Point	°C	ASTM D86		287		
80% Distill Point	°C	ASTM D86		304		
85% Distillation Point	°C	ASTM D86		314		
90% Distill Point	°C	ASTM D86		326		
95% Distillation Point	°C	ASTM D86		344		
Final Boiling Point	°C	ASTM D86		353		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		0.8		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		37.6		
Cetane Index		ASTM D4737	<40.0	48.8		
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	33.5		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



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Certificate L2367

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

: WC0798109 : 05833366 : 10446859

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

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Contact/Location: DWAYNE REGISTER - KBPHOL