

FUEL REPORT

Sample Rating Trend ISO

EPA UST 6

Component

Tank Diesel Fuel

DIESEL FUEL No. 2 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you filter this fluid 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.

				Nov2023		
SAMPLE INFORM	AATIONI	ام مالم مما			la i a ta mud	histow.O
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0879222		
Sample Date		Client Info		13 Nov 2023		
Machine Age	hrs	Client Info		0		
Sample Status				ATTENTION		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		0.850		
Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500		L5.5		
Visc @ 40°C	cSt	ASTM D445	4.1	2.7		
Pensky-Martens Flash Point	°C	*PMCC Calculated		67		
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SULFUR CONTE	N I	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		384		
Sulfur (UVF)	ppm	ASTM D5453		467		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		178		
5% Distillation Point	°C	ASTM D86		199		
10% Distill Point	°C	ASTM D86		208		
15% Distillation Point	°C	ASTM D86		217		
20% Distill Point	°C	ASTM D86		224		
30% Distill Point	°C	ASTM D86		238		
40% Distill Point	°C	ASTM D86		22		
50% Distill Point	°C	ASTM D86		265		
60% Distill Point	°C	ASTM D86		279		
70% Distill Point	°C	ASTM D86		293		
80% Distill Point	°C	ASTM D86		308		
85% Distillation Point	°C	ASTM D86		317		
90% Distill Point	°C	ASTM D86		327		
95% Distillation Point	°C	ASTM D86		342		
Final Boiling Point	°C	ASTM D86		351		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		0.6		
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		35.0		
Cetane Index		ASTM D7777	<40.0	46.1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0		
Sodium	ppm	ASTM D5185m	<0.1	2		
Potassium	ppm	ASTM D5185m	<0.1	0		
Water	%	ASTM D6304	< 0.05	0.004		
ppm Water	ppm	ASTM D6304	<500	42.4		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	1.9		



FUEL REPORT





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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0879222 : 06010443

Received : 10749587

: 16 Nov 2023 Diagnosed Diagnostician : Doug Bogart Test Package : DF-2 (Additional Tests: Screen)

: 10 Dec 2023

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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