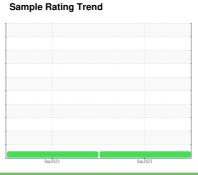


FUEL REPORT

[CP29159] Machine Id T3Y00201 - DELIVERY TRUCK

Diesel Fuel

DIESEL FUEL No. 2 (--- QTS)





DIAGNOSIS

Recommendation

No corrective action is recommended at this time. ASTM D0482, D5452, and D6079 performed at subcontracted ISO 17025 laboratory. All other 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

Ash Content by D482 slightly higher than D975 Max of 0.01%. There is a moderate 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.

			Sep2023	Sep 2023		
SAMPLE INFORM	MOITA	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0863786	WC0863784	
Sample Date		Client Info		28 Sep 2023	22 Sep 2023	
Machine Age	hrs	Client Info		0	0	
Sample Status				NORMAL	NORMAL	
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		0.839	0.840	
Fuel Color	text	*Visual Screen		Red	Red	
ASTM Color	scalar	*ASTM D1500		L4.0	L4.0	
Visc @ 40°C	cSt	ASTM D445	4.1	2.46	2.43	
Pensky-Martens Flash Point	°C	*PMCC Calculated		55	58	
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		<1	2	
Sulfur (UVF)	ppm	ASTM D5453		9	10	
DISTILLATION		mothod	limit/base	ourront	history1	history2
		method	IIIIII/Dase	current	•	,
Initial Boiling Point	°C	ASTM D86		152	163	
5% Distillation Point	°C	ASTM D86		186	189	
10% Distill Point 15% Distillation Point	°C	ASTM D86		198 208	201 211	
20% Distill Point	°C	ASTM D86		215	218	
30% Distill Point	°C	ASTM D86		229	232	
40% Distill Point	°C	ASTM D86		244	247	
50% Distill Point	°C	ASTM D86		258	260	
60% Distill Point	°C	ASTM D86		272	274	
70% Distill Point	°C	ASTM D86		287	289	
80% Distill Point	°C	ASTM D86		304	305	
85% Distillation Point	°C	ASTM D86		314	314	
90% Distill Point	°C	ASTM D86		326	326	
95% Distillation Point	°C	ASTM D86		342	343	
Final Boiling Point	°C	ASTM D86		353	351	
Distillation Residue	%	ASTM D86		1.4	1.4	
Distillation Loss	%	ASTM D86		0.5	0.9	
IGNITION QUALIT	ΓΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777		37.2	37.0	
Cetane Index		ASTM D4737	<40.0	48.2	48.6	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0	0	
Sodium	ppm	ASTM D5185m	<0.1	0	0	
Potassium	ppm	ASTM D5185m	<0.1	0	0	
Water	%	ASTM D6304	< 0.05	0.004	0.002	
ppm Water	ppm	ASTM D6304	<500	43.6	23.4	
% Gasoline	%	*In-House	< 0.50	0.0	0.0	
% Biodiesel	%	*In-House	<20.0	0.0	0.0	



FUEL REPORT







Certificate L2367

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

: WC0863786 : 05966772 : 10673323

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

Diagnostician : Doug Bogart Test Package : DF-2 (Additional Tests: Screen)

: 02 Oct 2023 : 26 Oct 2023

US 24153 Contact: Gary Wheeler gary_wheeler@cartermachinery.com

T: (540)387-1111

1330 LYNCHBURG TURNPIKE

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.

F: (540)387-1814 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: CARSALVA [WUSCAR] 05966772 (Generated: 10/27/2023 12:15:47) Rev: 1

SALEM, VA