

FUEL REPORT

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Sample Rating Trend



WX4V00001

Component Diesel Fuel Fluid NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

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 no bacteria or fungus (yeast and/or mold) indicated in the sample. The water content is negligible. There is no indication of any contamination in the fuel. The amount and size of particulates present in the system are acceptable.

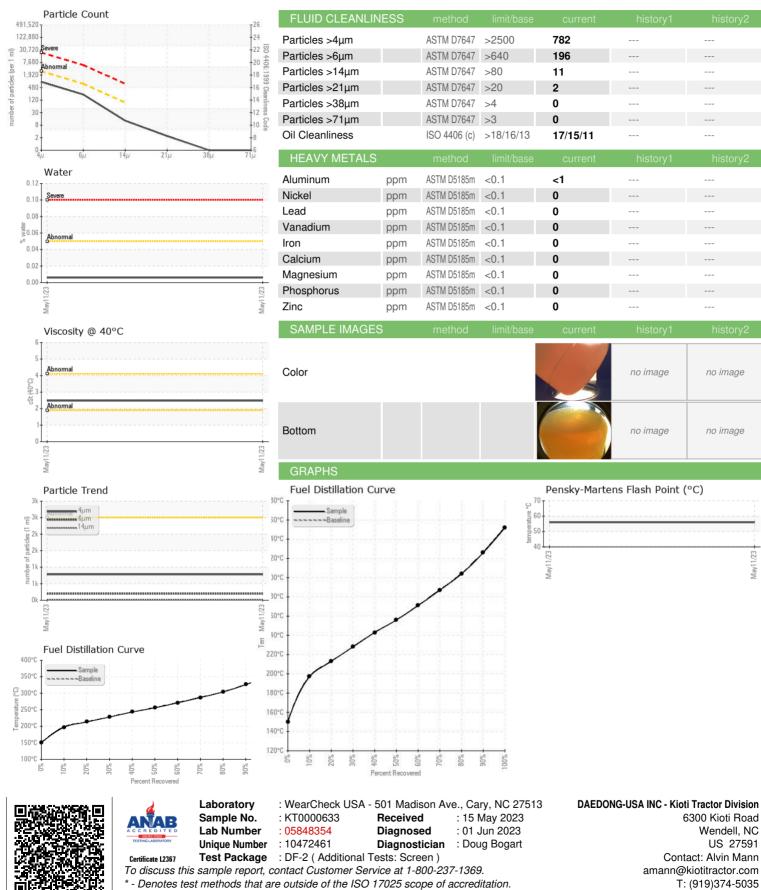
Fuel Condition

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

			1	May2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KT0000633		
Sample Date		Client Info		11 May 2023		
Machine Age	hrs	Client Info		1446		
Sample Status				NORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		0.837		
Fuel Color	text	*Visual Screen		Yllow		
ASTM Color	scalar	*ASTM D1500		L3.5		
Visc @ 40°C	cSt	ASTM D445		2.48		
Pensky-Martens Flash Point	°C	*PMCC Calculated		56		
SULFUR CONTER	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		0		
Sulfur (UVF)	ppm	ASTM D5453		10		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		150		
5% Distillation Point	°C	ASTM D86		186		
10% Distill Point	°C	ASTM D86		197		
15% Distillation Point	°C	ASTM D86		207		
20% Distill Point	°C	ASTM D86		213		
30% Distill Point	°C	ASTM D86		228		
40% Distill Point	°C	ASTM D86		243		
50% Distill Point	°C	ASTM D86		256		
60% Distill Point	°C	ASTM D86		271		
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		343		
Final Boiling Point	°C	ASTM D86		352		
Distillation Residue	%	ASTM D86		1.4		
Distillation Loss	%	ASTM D86		0.7		
IGNITION QUALIT	ΓY	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	0.006		
ppm Water	ppm	ASTM D6304	<500	65.6		
% Gasoline	%	*In-House	<0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: Alvin Mann - DAEWEN

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May11/23 -