



FUEL REPORT

Sample Rating Trend

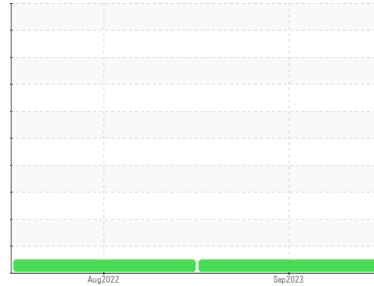
NORMAL



Area
[W112131]
Machine Id
3003599309

Component
Diesel Fuel
Fluid

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- 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.

Fuel Condition

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0770634	WC0633752	---
Sample Date	Client Info	27 Sep 2023	16 Aug 2022	---
Machine Age	hrs	Client Info	0	0
Sample Status			NORMAL	NORMAL

PHYSICAL PROPERTIES

method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500	L4.0	L5.0
Visc @ 40°C	cSt	ASTM D445	3.0	2.42

SULFUR CONTENT

method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0
Sulfur (UVF)	ppm	ASTM D5453		10

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0
Sodium	ppm	ASTM D5185m	<0.1	<1
Potassium	ppm	ASTM D5185m	<0.1	0
Water	%	ASTM D6304	<0.05	0.005
ppm Water	ppm	ASTM D6304	<500	55.7
% Gasoline	%	*In-House	<0.50	0.0
% Biodiesel	%	*In-House	<20.0	0.0

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	---	533
Particles >6µm	ASTM D7647	>640	---	129
Particles >14µm	ASTM D7647	>80	---	11
Particles >21µm	ASTM D7647	>20	---	2
Particles >38µm	ASTM D7647	>4	---	0
Particles >71µm	ASTM D7647	>3	---	0
Oil Cleanliness	ISO 4406 (c)	>18/16/13	---	16/14/11

HEAVY METALS

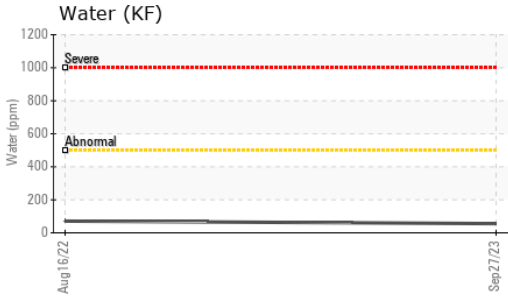
method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0
Nickel	ppm	ASTM D5185m	<0.1	0
Lead	ppm	ASTM D5185m	<0.1	0
Vanadium	ppm	ASTM D5185m	<0.1	0
Iron	ppm	ASTM D5185m	<0.1	0
Calcium	ppm	ASTM D5185m	<0.1	0
Magnesium	ppm	ASTM D5185m	<0.1	0
Phosphorus	ppm	ASTM D5185m	<0.1	0
Zinc	ppm	ASTM D5185m	<0.1	0

SAMPLE IMAGES

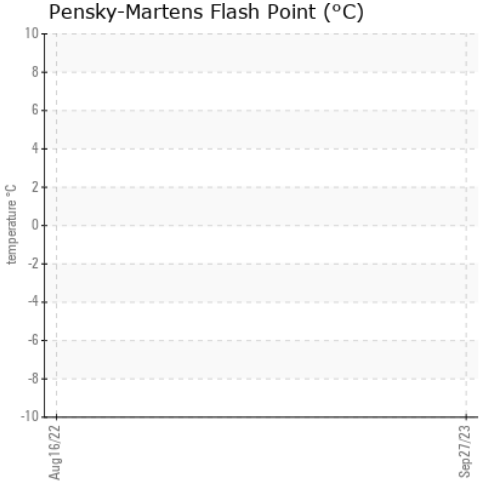
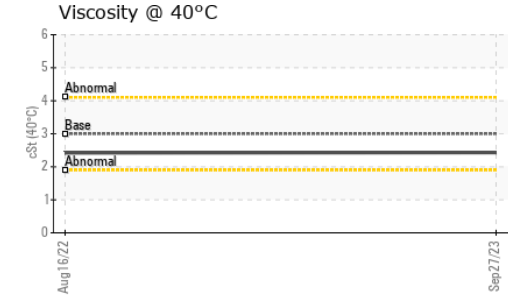
method	limit/base	current	history1	history2
Color				
Bottom				



FUEL REPORT



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0770634 **Received** : 16 Oct 2023
Lab Number : 05980087 **Diagnosed** : 23 Oct 2023
Unique Number : 10697382 **Diagnostician** : Doug Bogart
Test Package : DF-5 (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)

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