



FUEL REPORT

Sample Rating Trend

VISUAL METAL

Area
[20230786]
 Machine Id
Kohler 300 NJ Ave
 Component
Diesel Fuel
 Fluid
diesel fuel (25 GAL)



DIAGNOSIS

Recommendation

We advise that you inspect for the source(s) of rust. All other laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel. (Customer Sample Comment: 300 NJ fuel sample)

Corrosion

Moderate concentration of visible metal present as rust.

Contaminants

The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. No other contaminants were detected 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	DC0024954	---	---
Sample Date	Client Info	21 Mar 2023	---	---
Machine Age	yrs Client Info	0	---	---
Sample Status		ABNORMAL	---	---

PHYSICAL PROPERTIES

method	limit/base	current	history1	history2
ASTM Color	scalar *ASTM D1500	L4.5	---	---
Visc @ 40°C	cSt ASTM D445	2.63	---	---

SULFUR CONTENT

method	limit/base	current	history1	history2
Sulfur	ppm ASTM D5185m	9	---	---
Sulfur (UVF)	ppm ASTM D5453	11	---	---


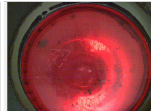
CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm ASTM D5185m	<1.0	<1	---	---
Sodium	ppm ASTM D5185m	<0.1	0	---	---
Potassium	ppm ASTM D5185m	<0.1	<1	---	---
Water	% ASTM D6304	<0.05	0.003	---	---
ppm Water	ppm ASTM D6304	<500	25.5	---	---
% Gasoline	% *In-House	<0.50	0.0	---	---
% Biodiesel	% *In-House	<20.0	0.0	---	---

HEAVY METALS

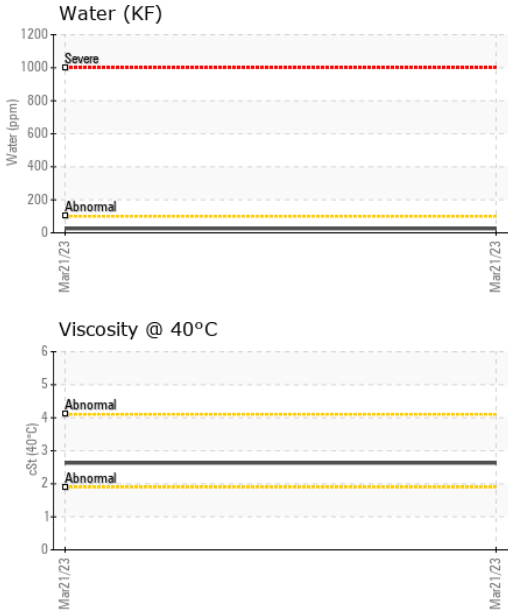
method	limit/base	current	history1	history2	
Aluminum	ppm ASTM D5185m	<0.1	<1	---	---
Nickel	ppm ASTM D5185m	<0.1	0	---	---
Lead	ppm ASTM D5185m	<0.1	0	---	---
Vanadium	ppm ASTM D5185m	<0.1	0	---	---
Iron	ppm ASTM D5185m	<0.1	0	---	---
Calcium	ppm ASTM D5185m	<0.1	1	---	---
Magnesium	ppm ASTM D5185m	<0.1	<1	---	---
Phosphorus	ppm ASTM D5185m	<0.1	11	---	---
Zinc	ppm ASTM D5185m	<0.1	0	---	---

SAMPLE IMAGES

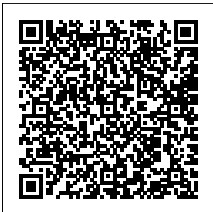
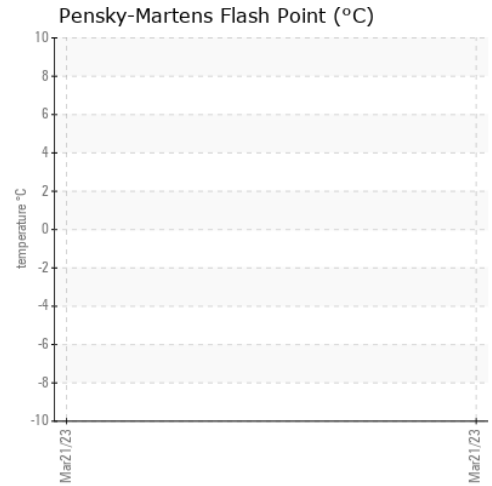
method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image



FUEL REPORT



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0024954 **Received** : 30 Mar 2023
Lab Number : 05807225 **Diagnosed** : 10 Apr 2023
Unique Number : 10404754 **Diagnostician** : Doug Bogart
Test Package : DF-5 (Additional Tests: API, 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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