



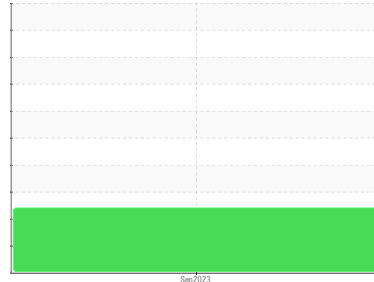
FUEL REPORT

Sample Rating Trend

CONTAMINANT



Machine Id
UTL-M0051
Component
Diesel Fuel
Fluid
NOT GIVEN (--- GAL)



DIAGNOSIS

Recommendation

We advise that you follow the water drain-off procedure for this component. We recommend you service and check the fuel filters for mucous-like deposits. Check with fuel supplier for biocides available to destroy the microorganisms in the fuel system.

Corrosion

All metal levels are normal indicating no corrosion in the cooling system.

Contaminants

Moderate concentration of visible dirt/debris present in the fuel. Possible bacteria or fungus (yeast and/or mold) present in the sample.

Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0859349	---	---
Sample Date	Client Info	20 Sep 2023	---	---
Machine Age	hrs 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	2.57	---	---

SULFUR CONTENT

method	limit/base	current	history1	history2
Sulfur	ppm ASTM D5185m	404	---	---
Sulfur (UVF)	ppm ASTM D5453	251	---	---

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	<1	---	---
Water	% ASTM D6304	<0.05	0.004	---	---
ppm Water	ppm ASTM D6304	<500	44.6	---	---
% Gasoline	% *In-House	<0.50	0.0	---	---
% Biodiesel	% *In-House	<20.0	0.0	---	---

MICROBIAL

method	limit/base	current	history1	history2	
Bacteria	CFU/ml WC-Method	>=100000	0	---	---
Yeast	CFU/ml WC-Method	>=100000	▲ 100	---	---
Mold	Colonies WC-Method	MODER	---	---	---

HEAVY METALS

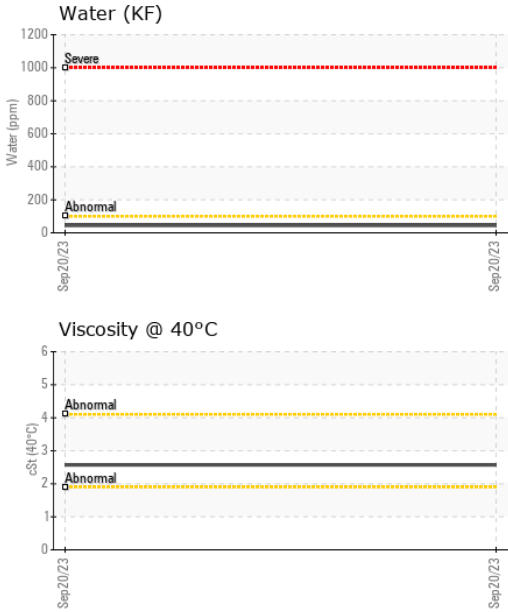
method	limit/base	current	history1	history2	
Aluminum	ppm ASTM D5185m	<0.1	<1	---	---
Nickel	ppm ASTM D5185m	<0.1	0	---	---
Lead	ppm ASTM D5185m	<0.1	0	---	---
Vanadium	ppm ASTM D5185m	<0.1	0	---	---
Iron	ppm ASTM D5185m	<0.1	0	---	---
Calcium	ppm ASTM D5185m	<0.1	0	---	---
Magnesium	ppm ASTM D5185m	<0.1	0	---	---
Phosphorus	ppm ASTM D5185m	<0.1	3	---	---
Zinc	ppm ASTM D5185m	<0.1	0	---	---

SAMPLE IMAGES

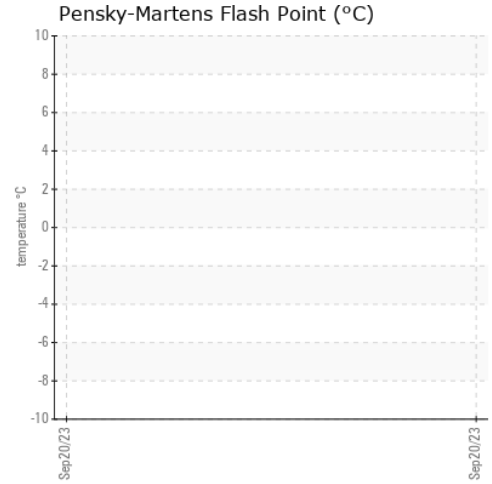
method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image



FUEL REPORT



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0859349 **Received** : 25 Sep 2023
Lab Number : 05960256 **Diagnosed** : 04 Oct 2023
Unique Number : 10661469 **Diagnostician** : Doug Bogart
Test Package : DF-5 (Additional Tests: BACTERIA, 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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