



FUEL REPORT

Sample Rating Trend

WATER



Area

[W103947]

Machine Id

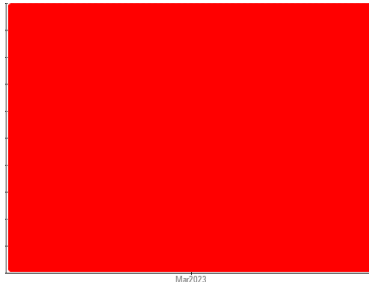
AD207058SRE AD207058SRE

Component

Diesel Fuel

Fluid

DIesel FUEL No. 2 (--- 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 system.

▲ Contaminants

Excessive free water present. There is a high concentration of Bacteria, Yeast and/or Fungus present in the sample.

Fuel Condition

The fuel is no longer serviceable due to the presence of contaminants. Sulfur value derived by ASTM D5453 method for ULSD validation.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0770630	---	---
Sample Date	Client Info			15 Mar 2023	---	---
Machine Age	hrs	Client Info		0	---	---
Sample Status				SEVERE	---	---



PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		L5.5	---	---
Visc @ 40°C	cSt	ASTM D445	4.1	2.6	---	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		26	---	---
Sulfur (UVF)	ppm	ASTM D5453		39	---	---

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	<1	---	---
Water	%	ASTM D6304	<0.05	▲ 0.083	---	---
ppm Water	ppm	ASTM D6304	<500	▲ 835.3	---	---
% Gasoline	%	*In-House	<0.50	0.0	---	---
% Biodiesel	%	*In-House	<20.0	1.4	---	---

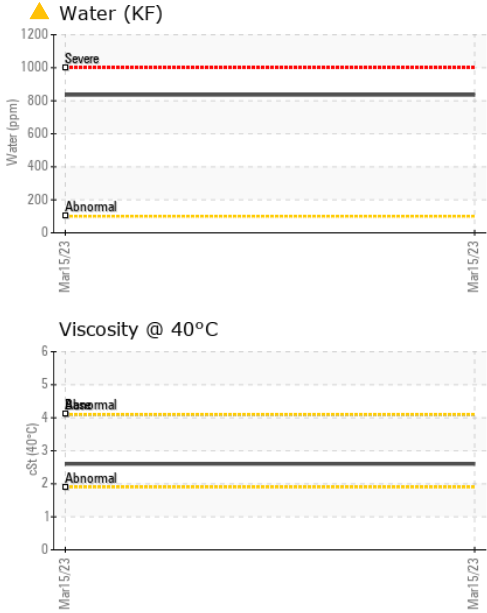
MICROBIAL		method	limit/base	current	history1	history2
Bacteria	CFU/ml	WC-Method	>=100000	▲ 100	---	---
Yeast	CFU/ml	WC-Method	>=100000	▲ 1000	---	---
Mold	Colonies	WC-Method	MODER	---	---	---

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	<1	---	---
Calcium	ppm	ASTM D5185m	<0.1	0	---	---
Magnesium	ppm	ASTM D5185m	<0.1	0	---	---
Phosphorus	ppm	ASTM D5185m	<0.1	5	---	---
Zinc	ppm	ASTM D5185m	<0.1	0	---	---

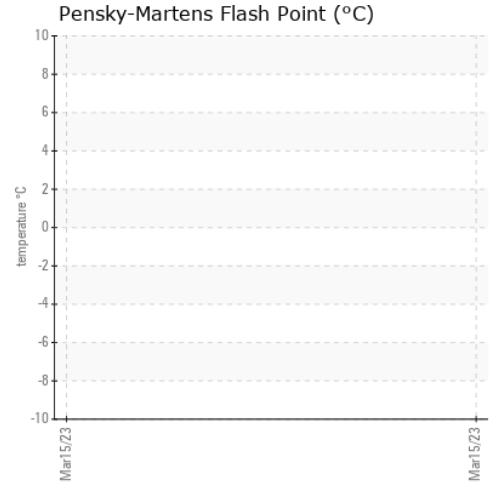
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image



FUEL REPORT



GRAPHS



Certificate L2367

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)

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0770630 **Received** : 03 Apr 2023
Lab Number : 05809497 **Tested** : 18 Apr 2023
Unique Number : 10407026 **Diagnosed** : 18 Apr 2023 - Doug Bogart
Test Package : DF-5 (Additional Tests: Bacteria, PrtCount, Screen)

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