



FUEL REPORT

Sample Rating Trend

WATER



Machine Id
NEW FLYER NEW FLYER XCELSIOR - MBTA EVERETT
 Component
Diesel Fuel
 Fluid
No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)



DIAGNOSIS

▲ Recommendation

We advise that you check for the source of the coolant leak. Recommend drain fuel if not already done and flush before refilling with fuel. We were unable to perform a particle count due to a high concentration of particles present in this sample. Please note that the fuel was too contaminated to perform some of the normal laboratory tests.

Corrosion

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

▲ Contaminants

Sample consists almost entirely of free water. (coolant) There is a high concentration of glycol present in the fuel. Moderate concentration of visible dirt/debris present in the fuel. Bacteria and/or fungus (yeast and/or mold) 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. Sulfur level is acceptable for ULSD specification.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			AOL06136731	---	---
Sample Date	Client Info			19 Mar 2024	---	---
Machine Age	mls	Client Info		0	---	---
Sample Status				SEVERE	---	---

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	Yllow	Red	---	---
Visc @ 40°C	cSt	ASTM D445	3.0	2.29	---	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0	---	---
Sulfur (UVF)	ppm	ASTM D5453		9	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<1	---	---
Sodium	ppm	ASTM D5185m	<0.1	<1	---	---
Potassium	ppm	ASTM D5185m	<0.1	0	---	---
Water	%	ASTM D6304	<0.05	▲ 95.0	---	---
ppm Water	ppm	ASTM D6304	<500	▲ 950000	---	---
% Gasoline	%	*In-House	<0.50	0.0	---	---
% Biodiesel	%	*In-House	<20.0	1.5	---	---

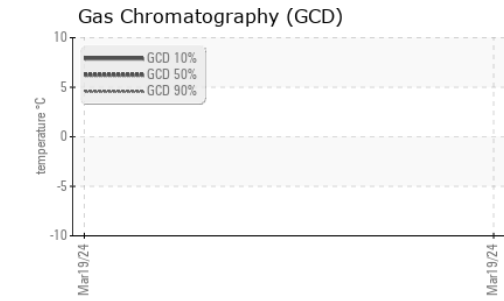
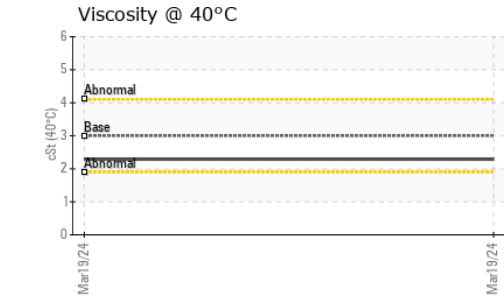
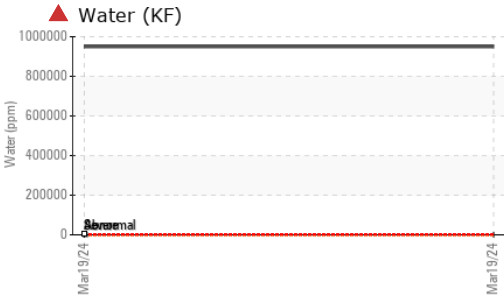
MICROBIAL		method	limit/base	current	history1	history2
Bacteria	CFU/ml	WC-Method	>=100000	0	---	---
Yeast	CFU/ml	WC-Method	>=100000	▲ 10	---	---
Mold	Colonies	WC-Method	MODER	---	---	---

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	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	---	---

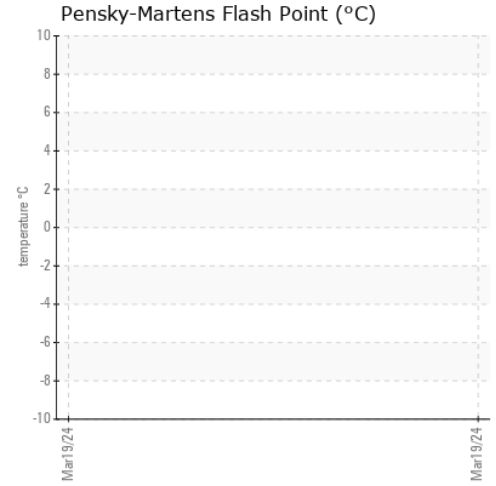
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image



FUEL REPORT



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : AOL06136731 **Received** : 02 Apr 2024
Lab Number : 06136731 **Tested** : 09 Apr 2024
Unique Number : 10956196 **Diagnosed** : 09 Apr 2024 - Doug Bogart
Test Package : DF-1 (Additional Tests: Bacteria, Fuel, 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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