FUEL REPORT

Sample Rating Trend

CONTAMINANT

Area
[W125595]
Machine Id
JOHN DEERE 84983
Component
Fuel Pump Diesel Fuel
Fluid
NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation
We advise that you check for the source of gasoline entry. Recommend drain fuel if not already done and flush before refilling with fuel.

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

Contaminants
Tests confirm the presence of gasoline in the fuel. The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated 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.

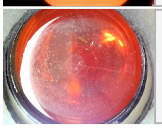
SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0797362**	---	---
Sample Date		Client Info		**11 Oct 2023**	---	---
Machine Age	hrs	Client Info		**0**	---	---
Sample Status				**ABNORMAL**	---	---

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		**L4.0**	---	---
Visc @ 40°C	cSt	ASTM D445		**2.2**	---	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		**0**	---	---
Sulfur (UVF)	ppm	ASTM D5453		**12**	---	---

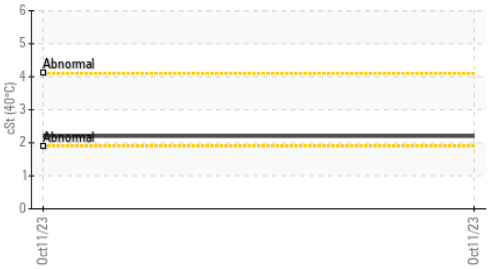
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	**0**	---	---
Sodium	ppm	ASTM D5185m	<0.1	**<1**	---	---
Potassium	ppm	ASTM D5185m	<0.1	**0**	---	---
% Gasoline	%	*In-House	<0.50	▲ **8.2**	---	---
% Biodiesel	%	*In-House	<20.0	**3.3**	---	---

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*

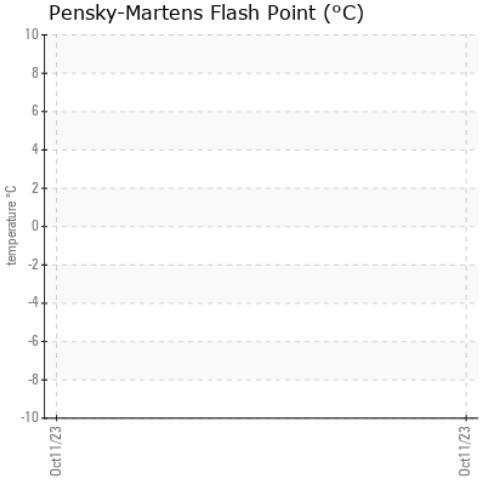
FUEL REPORT

Viscosity @ 40°C



GRAPHS

Pensky-Martens Flash Point (°C)



Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: WC0797362	**Received**	: 16 Oct 2023
Lab Number	: 05980086	**Diagnosed**	: 25 Oct 2023
Unique Number	: 10697381	**Diagnostician**	: Doug Bogart
Test Package	: DF-5 (Additional Tests: Screen)		

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)

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