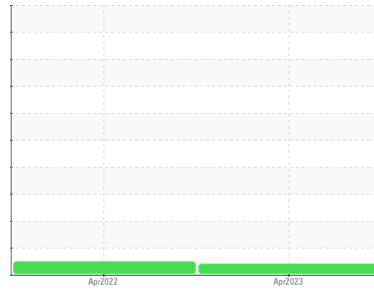




FUEL REPORT

Sample Rating Trend



VIS DEBRIS



Area

[W103958]

Machine Id

JOHN DEERE 344736-1-1-0312

Component

Diesel Fuel

Fluid

DIESEL FUEL No. 1 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. All other laboratory tests indicate that this sample meets specifications for No.2 low-sulfur diesel fuel.

Corrosion

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

Contaminants

Moderate concentration of visible dirt/debris present in the fuel. The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated 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	WC0770667	WC0663305	---
Sample Date	Client Info	19 Apr 2023	05 Apr 2022	---
Machine Age	hrs	Client Info	0	---
Sample Status		ABNORMAL	NORMAL	---

PHYSICAL PROPERTIES

method	limit/base	current	history1	history2		
ASTM Color	scalar	*ASTM D1500	L4.0	L4.0	---	
Visc @ 40°C	cSt	ASTM D445	2.4	2.51	2.46	---

SULFUR CONTENT

method	limit/base	current	history1	history2	
Sulfur	ppm	ASTM D5185m	0	1	---
Sulfur (UVF)	ppm	ASTM D5453	24	8	---

CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	<1.0	0	<1	---
Sodium	ppm	ASTM D5185m	<0.1	0	0	---
Potassium	ppm	ASTM D5185m	<0.1	0	0	---
Water	%	ASTM D6304	<0.05	0.005	0.004	---
ppm Water	ppm	ASTM D6304	<500	51.9	40.3	---
% Gasoline	%	*In-House	<0.50	0.0	0.0	---
% Biodiesel	%	*In-House	<20.0	1.3	1.4	---

HEAVY METALS

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

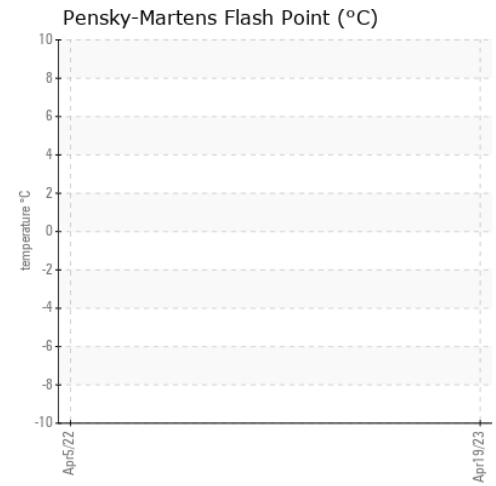
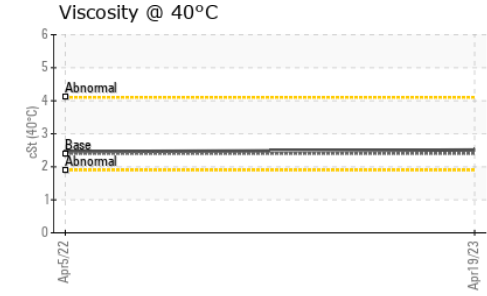
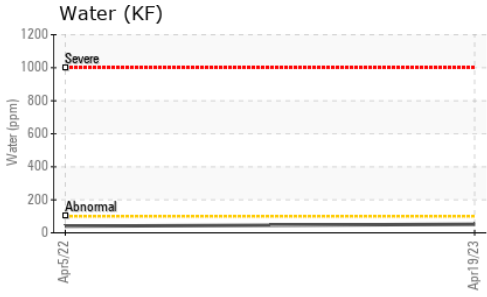
SAMPLE IMAGES

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



FUEL REPORT

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0770667 **Received** : 01 May 2023
Lab Number : 05834346 **Tested** : 12 May 2023
Unique Number : 10453149 **Diagnosed** : 12 May 2023 - Doug Bogart
Test Package : DF-5 (Additional Tests: PritCount, 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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