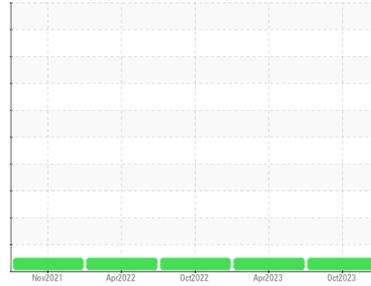




FUEL REPORT

Sample Rating Trend

NORMAL



Machine Id

B1

Component

Diesel Fuel

Fluid

No.1 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel.

Corrosion

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

Contaminants

There is a moderate amount of particulates 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. Sulfur level is acceptable for ULSD specification.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0873529	WC0812015	WC0750385
Sample Date	Client Info		31 Oct 2023	18 Apr 2023	10 Oct 2022
Machine Age	hrs	Client Info	0	0	0
Sample Status			NORMAL	NORMAL	NORMAL

PHYSICAL PROPERTIES

	method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500	L4.0	L4.0	L4.0
Visc @ 40°C	cSt	ASTM D445	2.46	2.53	2.46

SULFUR CONTENT

	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	7	0	0
Sulfur (UVF)	ppm	ASTM D5453	8	10	8

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	<1.0	<1	0	2
Sodium	ppm	ASTM D5185m	<0.1	2	0	1
Potassium	ppm	ASTM D5185m	<0.1	<1	<1	0
Water	%	ASTM D6304	<0.05	0.004	0.004	0.004
ppm Water	ppm	ASTM D6304	<500	47.3	41.2	45.9
% Gasoline	%	*In-House	<0.50	0.0	0.0	0.0
% Biodiesel	%	*In-House	<20.0	0.0	0.0	0.0

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	4818	4225	12176
Particles >6µm	ASTM D7647	>640	613	883	727
Particles >14µm	ASTM D7647	>80	95	92	79
Particles >21µm	ASTM D7647	>20	36	22	27
Particles >38µm	ASTM D7647	>4	1	3	0
Particles >71µm	ASTM D7647	>3	0	0	0
Oil Cleanliness	ISO 4406 (c)	>18/16/13	19/16/14	19/17/14	21/17/13

HEAVY METALS

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

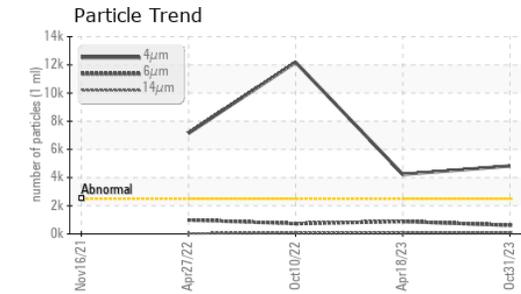
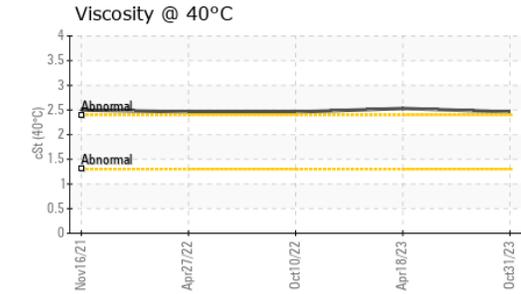
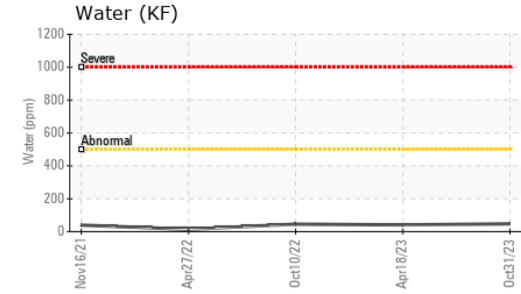
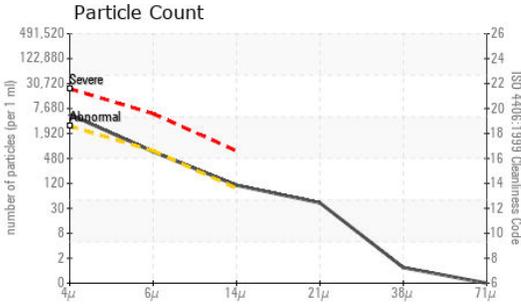
SAMPLE IMAGES

	method	limit/base	current	history1	history2
Color					
Bottom					

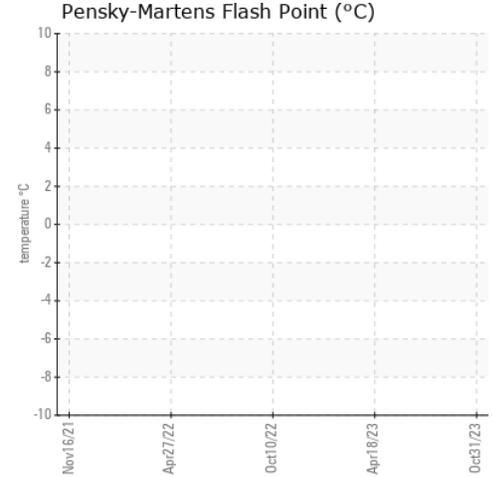




FUEL REPORT



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0873529 **Received** : 31 Oct 2023
Lab Number : 05995176 **Diagnosed** : 13 Nov 2023
Unique Number : 10723536 **Diagnostician** : Doug Bogart
Test Package : DF-5 (Additional Tests: 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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