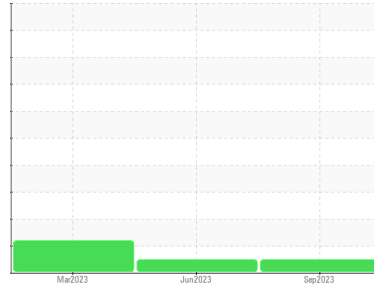




FUEL REPORT

Sample Rating Trend

NORMAL



Machine Id
SPACE X JRTI - HIGH CUBE 2

Component
Tank Diesel Fuel
Fluid
DDSL (1030 GAL)

DIAGNOSIS

Recommendation

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

The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. There is no indication of any contamination in the fuel.

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		WCDF4480	WC05901758	WCDF4368
Sample Date	Client Info		27 Sep 2023	30 Jun 2023	22 Mar 2023
Machine Age	mls	Client Info	0	0	0
Sample Status			NORMAL	NORMAL	ABNORMAL

PHYSICAL PROPERTIES

	method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500	L4.0	L4.0	L4.5
Visc @ 40°C	cSt	ASTM D445	2.08	2.07	2.06

SULFUR CONTENT

	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	0	0	2
Sulfur (UVF)	ppm	ASTM D5453	3	5	2

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0	0
Sodium	ppm	ASTM D5185m	<0.1	0	0
Potassium	ppm	ASTM D5185m	<0.1	<1	0
Water	%	ASTM D6304	<0.05	0.002	0.002
ppm Water	ppm	ASTM D6304	<500	19.9	19.7
% Gasoline	%	*In-House	<0.50	0.0	0.0
% Biodiesel	%	*In-House	<20.0	0.0	0.0

HEAVY METALS

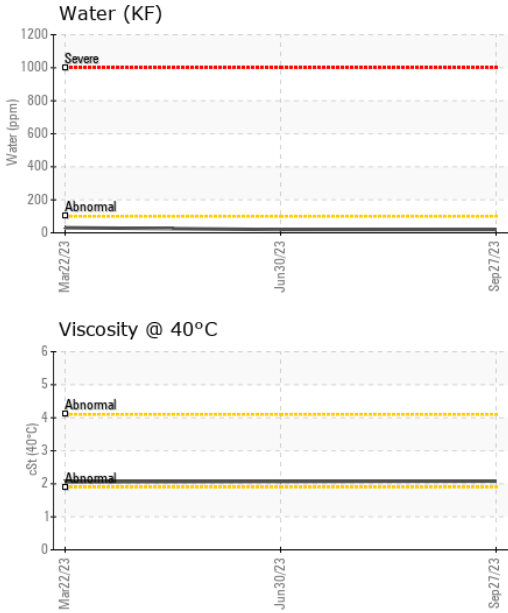
	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0	<1
Nickel	ppm	ASTM D5185m	<0.1	0	0
Lead	ppm	ASTM D5185m	<0.1	0	0
Vanadium	ppm	ASTM D5185m	<0.1	0	<1
Iron	ppm	ASTM D5185m	<0.1	0	0
Calcium	ppm	ASTM D5185m	<0.1	0	0
Magnesium	ppm	ASTM D5185m	<0.1	0	0
Phosphorus	ppm	ASTM D5185m	<0.1	3	2
Zinc	ppm	ASTM D5185m	<0.1	0	0

SAMPLE IMAGES

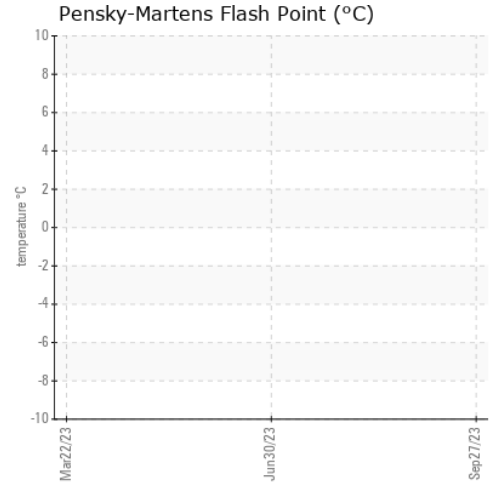
	method	limit/base	current	history1	history2
Color					
Bottom					



FUEL REPORT



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WCDF4480 **Received** : 03 Oct 2023
Lab Number : **05968183** **Diagnosed** : 10 Oct 2023
Unique Number : 10674734 **Diagnostician** : Doug Bogart
Test Package : DF-5 (Additional Tests: Screen, Sulphur-Active)

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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