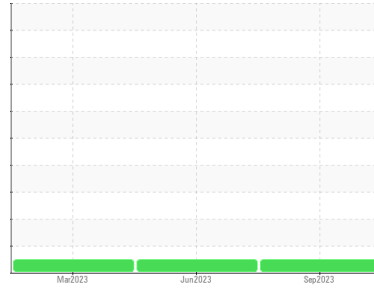




# FUEL REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**SPACE X JRTI - GEN 4**

Component  
**Tank Diesel Fuel**  
Fluid  
**DDSL (2500 GAL)**

## DIAGNOSIS

### Recommendation

All 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

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.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WCDF4474</b>	WC05901757	WCDF4361
Sample Date	Client Info			<b>27 Sep 2023</b>	30 Jun 2023	24 Mar 2023
Machine Age	mls	Client Info		<b>0</b>	0	0
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		<b>L4.0</b>	L4.0	L4.5
Visc @ 40°C	cSt	ASTM D445		<b>3.22</b>	3.15	3.05

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		<b>429</b>	444	10
Sulfur (UVF)	ppm	ASTM D5453		<b>319</b>	308	9

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<b>&lt;1</b>	<1	0
Sodium	ppm	ASTM D5185m	<0.1	<b>0</b>	0	<1
Potassium	ppm	ASTM D5185m	<0.1	<b>&lt;1</b>	0	0
Water	%	ASTM D6304	<0.05	<b>0.004</b>	0.003	0.003
ppm Water	ppm	ASTM D6304	<500	<b>40.1</b>	37.0	37.2
% Gasoline	%	*In-House	<0.50	<b>0.0</b>	0.0	0.0
% Biodiesel	%	*In-House	<20.0	<b>0.0</b>	0.0	0.0

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

SAMPLE IMAGES		method	limit/base	current	history1	history2
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Color

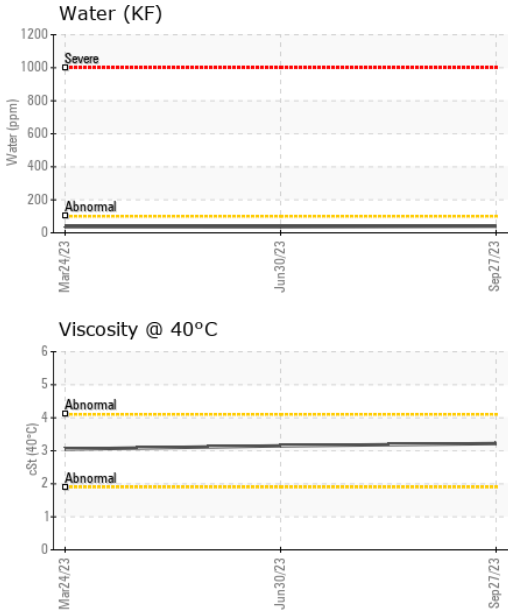


Bottom

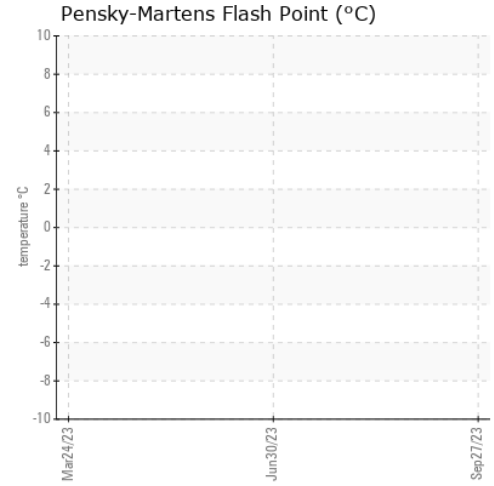




# FUEL REPORT



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WCDF4474 **Received** : 03 Oct 2023  
**Lab Number** : 05968190 **Diagnosed** : 10 Oct 2023  
**Unique Number** : 10674741 **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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 F: (321)574-4131