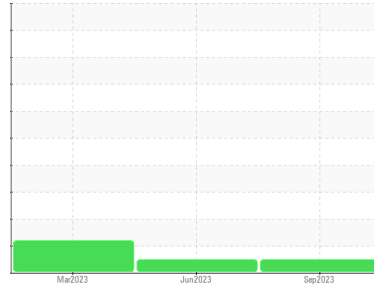




FUEL REPORT

Sample Rating Trend

NORMAL



Machine Id
SPACE X JRTI - GEN 3
 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			WCDF4473	WC05901755	WCDF4365
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		L4.5	L4.0	L4.5
Visc @ 40°C	cSt	ASTM D445		3.15	3.07	2.99

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		223	171	10
Sulfur (UVF)	ppm	ASTM D5453		148	124	10

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	2	<1	0
Sodium	ppm	ASTM D5185m	<0.1	0	0	<1
Potassium	ppm	ASTM D5185m	<0.1	<1	0	0
Water	%	ASTM D6304	<0.05	0.003	0.004	0.003
ppm Water	ppm	ASTM D6304	<500	32.3	42.8	38.0
% Gasoline	%	*In-House	<0.50	0.0	0.0	0.0
% Biodiesel	%	*In-House	<20.0	0.0	0.0	0.0

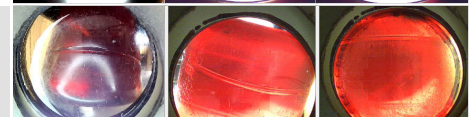
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0	<1	0
Nickel	ppm	ASTM D5185m	<0.1	0	0	0
Lead	ppm	ASTM D5185m	<0.1	0	0	0
Vanadium	ppm	ASTM D5185m	<0.1	0	<1	0
Iron	ppm	ASTM D5185m	<0.1	0	0	0
Calcium	ppm	ASTM D5185m	<0.1	0	0	0
Magnesium	ppm	ASTM D5185m	<0.1	0	<1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

SAMPLE IMAGES		method	limit/base	current	history1	history2
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Color

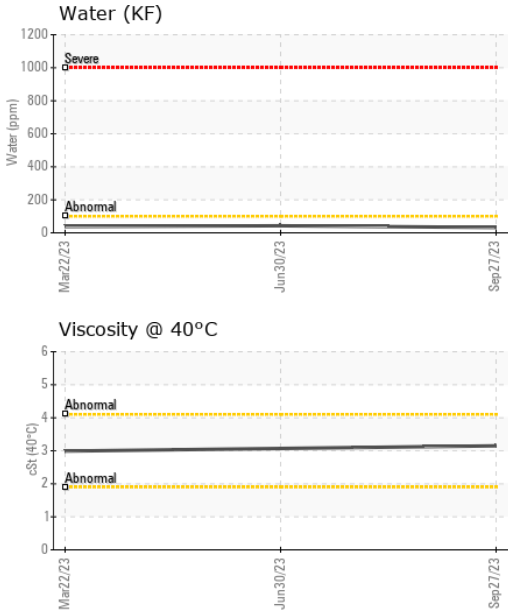


Bottom

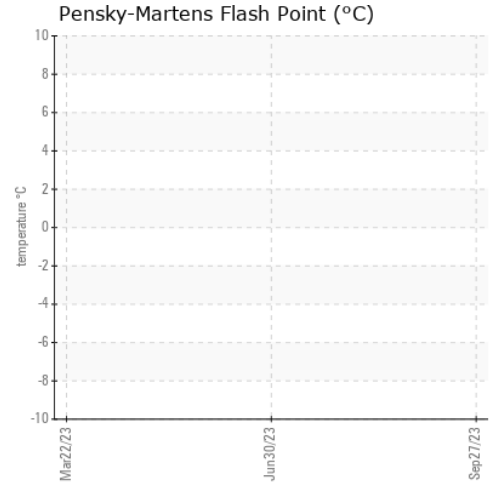




FUEL REPORT



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WCDF4473 **Received** : 03 Oct 2023
Lab Number : **05968181** **Diagnosed** : 10 Oct 2023
Unique Number : 10674732 **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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