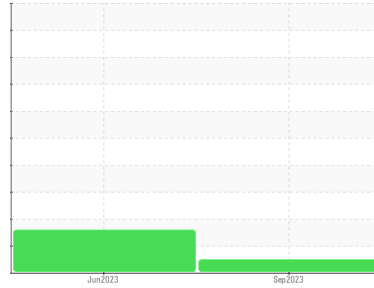




FUEL REPORT

Sample Rating Trend

NORMAL



Machine Id
SPACE X JRTI DECK

Component
Forward Diesel Fuel
Fluid
DDSL (45000 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			WCDF4477	WC05901759	---
Sample Date	Client Info			27 Sep 2023	30 Jun 2023	---
Machine Age	mls	Client Info		0	0	---
Sample Status				NORMAL	ABNORMAL	---

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		L4.5	L4.0	---
Visc @ 40°C	cSt	ASTM D445		3.15	3.07	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		246	156	---
Sulfur (UVF)	ppm	ASTM D5453		178	114	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	4	0	---
Sodium	ppm	ASTM D5185m	<0.1	0	0	---
Potassium	ppm	ASTM D5185m	<0.1	<1	0	---
Water	%	ASTM D6304	<0.05	0.004	0.003	---
ppm Water	ppm	ASTM D6304	<500	41.3	33.4	---
% Gasoline	%	*In-House	<0.50	0.0	0.0	---
% Biodiesel	%	*In-House	<20.0	0.0	0.0	---

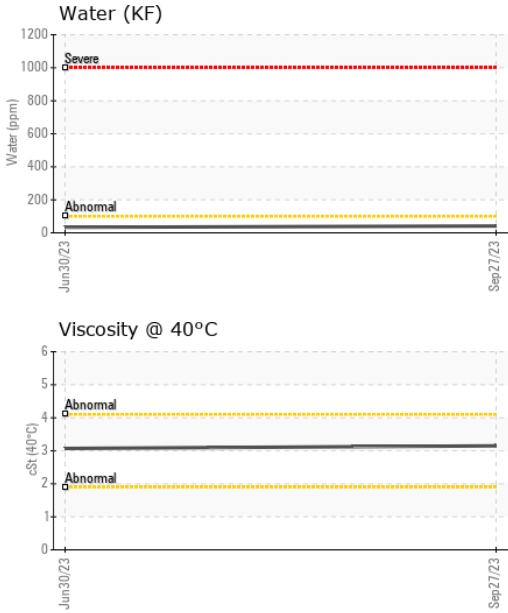
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0	<1	---
Nickel	ppm	ASTM D5185m	<0.1	0	0	---
Lead	ppm	ASTM D5185m	<0.1	0	0	---
Vanadium	ppm	ASTM D5185m	<0.1	0	<1	---
Iron	ppm	ASTM D5185m	<0.1	0	0	---
Calcium	ppm	ASTM D5185m	<0.1	0	0	---
Magnesium	ppm	ASTM D5185m	<0.1	<1	0	---
Phosphorus	ppm	ASTM D5185m	<0.1	5	<1	---
Zinc	ppm	ASTM D5185m	<0.1	0	0	---

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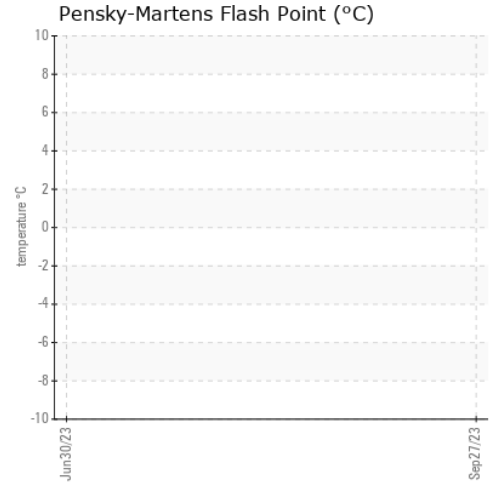
Color						no image
Bottom						no image



FUEL REPORT



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WCDF4477 **Received** : 03 Oct 2023
Lab Number : **05968189** **Diagnosed** : 10 Oct 2023
Unique Number : 10674740 **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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