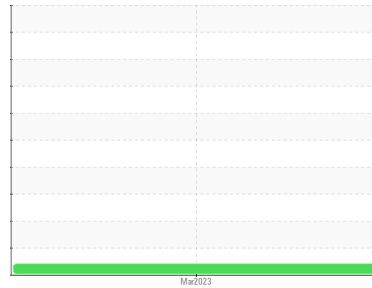




FUEL REPORT

Sample Rating Trend



VISCOSITY



Machine Id
MELBOURNE YELLOW 1500

Component
Tank Diesel Fuel
Fluid
DSL/KERO MIX (1500 GAL)

DIAGNOSIS

▲ Recommendation

All laboratory tests indicate that this sample meets specifications for No.1 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

The fuel viscosity is lower than normal. This plus the gas chromatograph results indicates the probable addition of kerosene. Sulfur value derived by ASTM D5453 method for ULSD validation.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC05796409	---	---
Sample Date	Client Info			15 Mar 2023	---	---
Machine Age	hrs	Client Info		0	---	---
Sample Status				ATTENTION	---	---


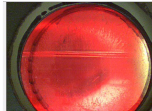
PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		L5.5	---	---
Visc @ 40°C	cSt	ASTM D445		▲ 1.17	---	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		83	---	---
Sulfur (UVF)	ppm	ASTM D5453		331	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	1	---	---
Sodium	ppm	ASTM D5185m	<0.1	<1	---	---
Potassium	ppm	ASTM D5185m	<0.1	1	---	---
Water	%	ASTM D6304	<0.05	0.004	---	---
ppm Water	ppm	ASTM D6304	<500	46.6	---	---
% Gasoline	%	*In-House	<0.50	3.3	---	---
% Biodiesel	%	*In-House	<20.0	0.0	---	---

HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	<1	---	---
Nickel	ppm	ASTM D5185m	<0.1	0	---	---
Lead	ppm	ASTM D5185m	<0.1	0	---	---
Vanadium	ppm	ASTM D5185m	<0.1	<1	---	---
Iron	ppm	ASTM D5185m	<0.1	0	---	---
Calcium	ppm	ASTM D5185m	<0.1	0	---	---
Magnesium	ppm	ASTM D5185m	<0.1	4	---	---
Phosphorus	ppm	ASTM D5185m	<0.1	9	---	---
Zinc	ppm	ASTM D5185m	<0.1	0	---	---

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



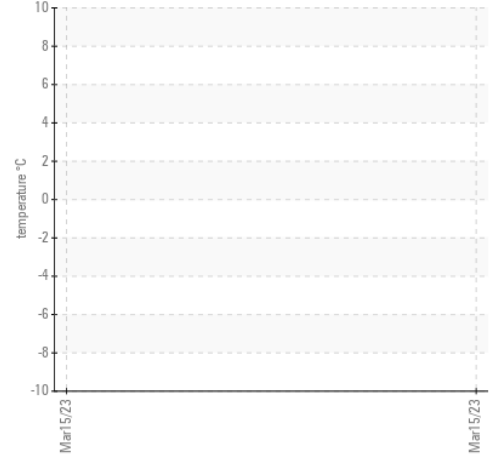
FUEL REPORT

▲ Viscosity @ 40°C

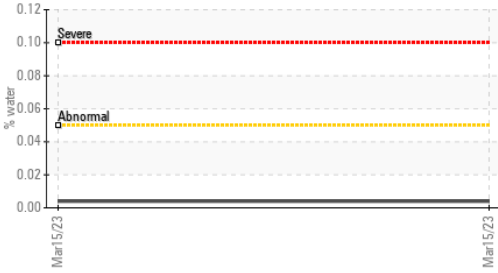


GRAPHS

Pensky-Martens Flash Point (°C)



Water



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC05796409 **Received** : 20 Mar 2023
Lab Number : 05796409 **Diagnosed** : 03 Apr 2023
Unique Number : 10386093 **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)

TANK WIZARDS
 1511 MASTERS RD NW
 PALM BAY, FL
 US 32907

Contact: WENDALL STRODERD
 wendall@tankwizards.com

T: (321)427-5149
 F: (321)574-4131