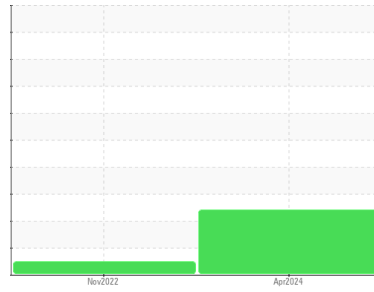




FUEL REPORT

Sample Rating Trend



WATER



Machine Id
TANK 2 - SARASOTA BEE RIDGE

Component
Diesel Fuel
 Fluid
No.2 DIESEL FUEL (ULTRALOW SULPHUR) (10000 GAL)

DIAGNOSIS

Recommendation

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.

Corrosion

All metal levels are normal indicating no corrosion in the system.

Contaminants

Appearance is unacceptable. Elemental level of silicon (Si) above normal. There is a trace of moisture present in the fuel. There is a moderate amount of visible silt present in the sample.

Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WCDF4587	WCDF05053	---
Sample Date	Client Info			16 Apr 2024	30 Nov 2022	---
Machine Age	hrs	Client Info		0	0	---
Sample Status				ABNORMAL	NORMAL	---

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
ASTM Color	scalar	*ASTM D1500		L6.5	L4.5	---
Visc @ 40°C	cSt	ASTM D445	3.0	2.44	2.48	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	<1	25	---
Sulfur (UVF)	ppm	ASTM D5453		21	21	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	▲ 1218	0	---
Sodium	ppm	ASTM D5185m	<0.1	3	<1	---
Potassium	ppm	ASTM D5185m	<0.1	0	0	---
Water	%	ASTM D6304	<0.05	▲ 0.029	0.008	---
ppm Water	ppm	ASTM D6304	<500	299	85.1	---
% 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	0	---
Nickel	ppm	ASTM D5185m	<0.1	<1	0	---
Lead	ppm	ASTM D5185m	<0.1	0	0	---
Vanadium	ppm	ASTM D5185m	<0.1	0	0	---
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	0	4	---
Zinc	ppm	ASTM D5185m	<0.1	0	0	---

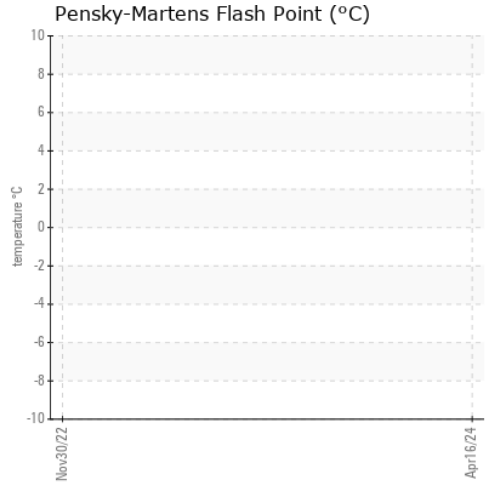
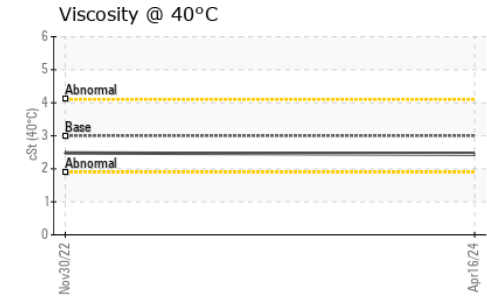
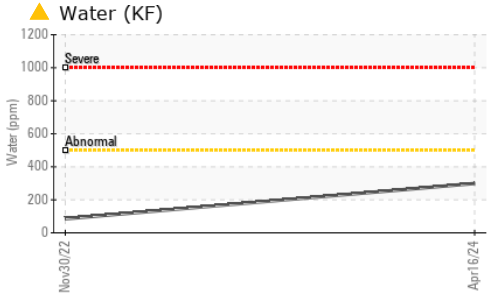
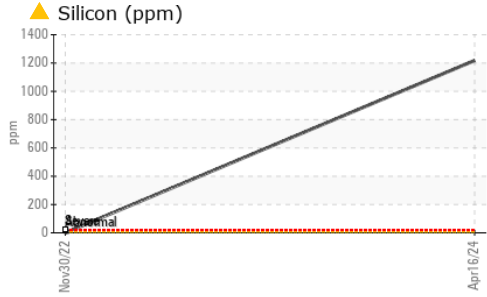
SAMPLE IMAGES		method	limit/base	current	history1	history2
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Color						no image
Bottom						no image



FUEL REPORT

GRAPHS



Certificate L2367

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)

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WCDF4587
Lab Number : 06156536
Unique Number : 10991959
Test Package : DF-5 (Additional Tests: Screen)

Received : 22 Apr 2024
Tested : 30 Apr 2024
Diagnosed : 06 May 2024 - Doug Bogart

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