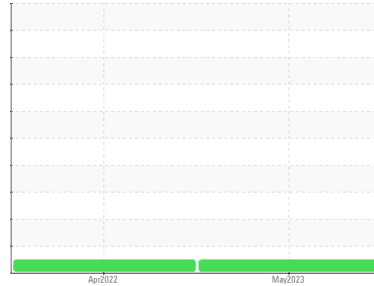




FUEL REPORT

Sample Rating Trend

NORMAL



Machine Id
LAWNWOOD TOWER GEN

Component
Diesel Fuel
Fluid
DDSL (8000 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, Yeast and/or Fungus 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			WC05854746	WCDF04639	---
Sample Date	Client Info			16 May 2023	28 Apr 2022	---
Machine Age	mls	Client Info		0	0	---
Sample Status				NORMAL	NORMAL	---

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		0.839	0.840	---
Fuel Color	text	*Visual Screen		Red	Red	---
ASTM Color	scalar	*ASTM D1500		L4.5	L5.5	---
Visc @ 40°C	cSt	ASTM D445		2.6	2.56	---
Pensky-Martens Flash Point	°C	*PMCC Calculated		56	66	---
Cloud Point	°C	ASTM D5771		-10	-10	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m		0	10	---
Sulfur (UVF)	ppm	ASTM D5453		11	10	---

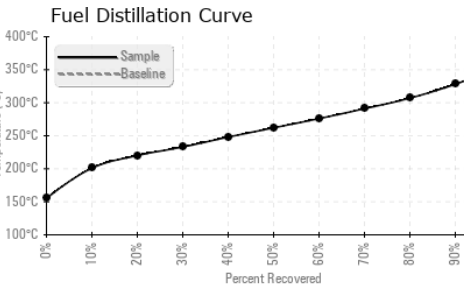
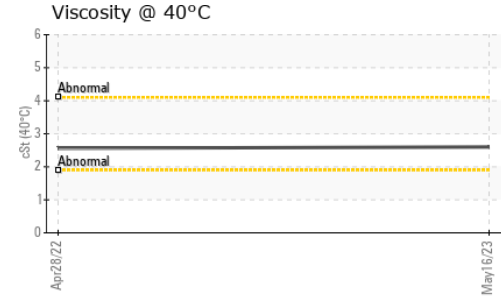
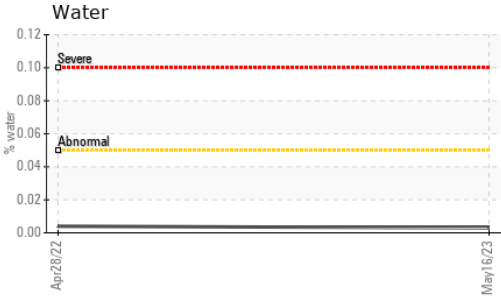
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86		155	168	---
5% Distillation Point	°C	ASTM D86		188	194	---
10% Distill Point	°C	ASTM D86		201	205	---
15% Distillation Point	°C	ASTM D86		211	213	---
20% Distill Point	°C	ASTM D86		220	220	---
30% Distill Point	°C	ASTM D86		233	234	---
40% Distill Point	°C	ASTM D86		248	248	---
50% Distill Point	°C	ASTM D86		262	262	---
60% Distill Point	°C	ASTM D86		276	276	---
70% Distill Point	°C	ASTM D86		291	292	---
80% Distill Point	°C	ASTM D86		307	308	---
85% Distillation Point	°C	ASTM D86		317	318	---
90% Distill Point	°C	ASTM D86		328	330	---
95% Distillation Point	°C	ASTM D86		345	347	---
Final Boiling Point	°C	ASTM D86		354	355	---
Distillation Residue	%	ASTM D86		1.4	1.4	---
Distillation Loss	%	ASTM D86		0.5	0.9	---

IGNITION QUALITY		method	limit/base	current	history1	history2
API Gravity		ASTM D7777		37.2	37.0	---
Cetane Index		ASTM D4737	<40.0	49.2	49.1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0	0	---
Sodium	ppm	ASTM D5185m	<0.1	0	0	---
Potassium	ppm	ASTM D5185m	<0.1	<1	0	---
Water	%	ASTM D6304	<0.05	0.003	0.004	---
ppm Water	ppm	ASTM D6304	<500	39.7	48.5	---
% Gasoline	%	*In-House	<0.50	0.0	---	---
% Biodiesel	%	*In-House	<20.0	0.0	---	---



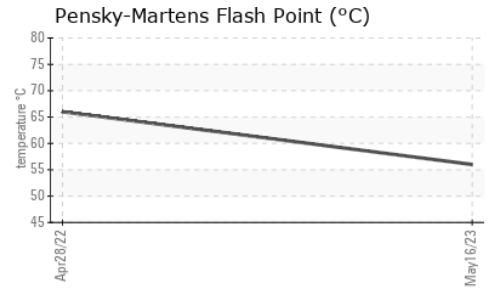
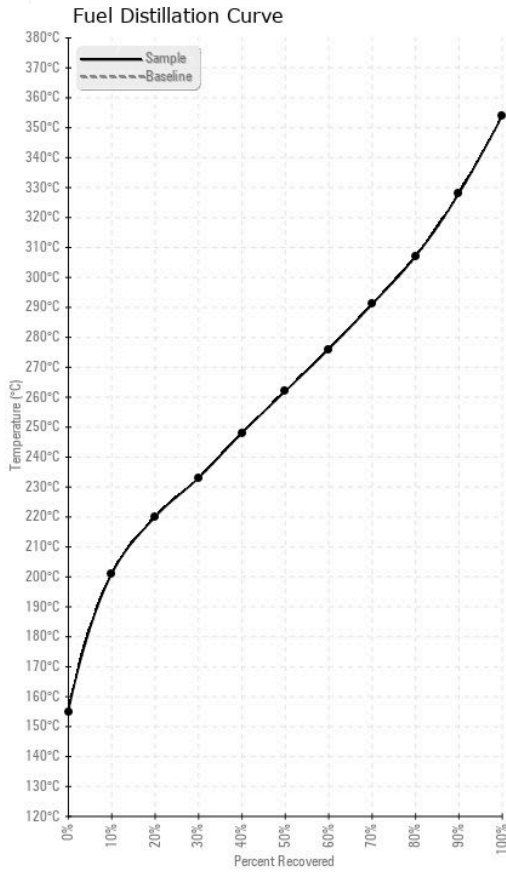
FUEL REPORT



HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	0	0	---
Nickel	ppm	ASTM D5185m	<0.1	0	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	0	---
Zinc	ppm	ASTM D5185m	<0.1	0	0	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC05854746 **Received** : 23 May 2023
Lab Number : 05854746 **Diagnosed** : 30 May 2023
Unique Number : 10484101 **Diagnostician** : Aaron Black
Test Package : DF-2 (Additional Tests: CldPt, Screen)

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

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)