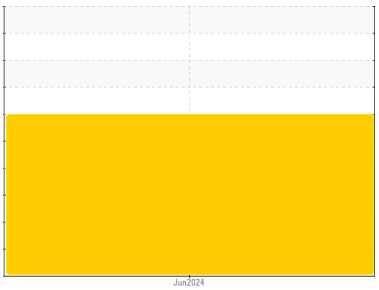
FUEL REPORT

Sample Rating Trend



WATER

Area
BISHOP GADSDEN EPOSCOPAL RETIREMENT COMMUNITY [5018]
Machine Id
[BISHOP GADSDEN EPOSCOPAL RETIREMENT COMMUNITY] HOLDING
Component
Diesel Fuel
Fluid
No.2 DIESEL FUEL (ULTRALOW SULPHUR) (500 GAL)

DIAGNOSIS

Recommendation
We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid. There is too much contamination present in this sample to perform a particle count.

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

Contaminants
Appearance is hazy. Excessive free water present. High concentration of visible dirt/debris present in the fuel. There is no bacteria or fungus (yeast and/or mold) present in the sample.

Fuel Condition
Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0957784**	---	---
Sample Date		Client Info		**25 Jun 2024**	---	---
Machine Age	hrs	Client Info		**0**	---	---
Sample Status				**SEVERE**	---	---

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen	Yllow	**Red**	---	---
ASTM Color	scalar	*ASTM D1500		**L4.5**	---	---
Pensky-Martens Flash Point	°C	*PMCC Calculated	52	**71.9**	---	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	**0**	---	---
Sulfur (UVF)	ppm	ASTM D5453		**14**	---	---

DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	165	**183**	---	---
5% Distillation Point	°C	ASTM D86		**201**	---	---
10% Distill Point	°C	ASTM D86	201	**210**	---	---
15% Distillation Point	°C	ASTM D86		**217**	---	---
20% Distill Point	°C	ASTM D86	216	**225**	---	---
30% Distill Point	°C	ASTM D86	230	**239**	---	---
40% Distill Point	°C	ASTM D86	243	**251**	---	---
50% Distill Point	°C	ASTM D86	255	**264**	---	---
60% Distill Point	°C	ASTM D86	267	**278**	---	---
70% Distill Point	°C	ASTM D86	280	**291**	---	---
80% Distill Point	°C	ASTM D86	295	**306**	---	---
85% Distillation Point	°C	ASTM D86		**317**	---	---
90% Distill Point	°C	ASTM D86	310	**328**	---	---
95% Distillation Point	°C	ASTM D86		**345**	---	---
Final Boiling Point	°C	ASTM D86	341	**361**	---	---

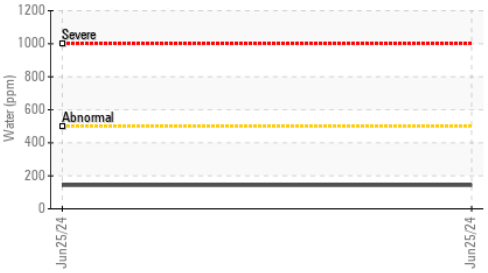
IGNITION QUALITY		method	limit/base	current	history1	history2
API Gravity		ASTM D7777	37.7	**36**	---	---
Cetane Index		ASTM D4737	<40.0	**49**	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	**0**	---	---
Sodium	ppm	ASTM D5185m	<0.1	**<1**	---	---
Potassium	ppm	ASTM D5185m	<0.1	**0**	---	---
Water	%	ASTM D6304	<0.05	**0.014**	---	---
ppm Water	ppm	ASTM D6304	<500	**143**	---	---
% Gasoline	%	*In-House	<0.50	**0.0**	---	---
% Biodiesel	%	*In-House	<20.0	**0.0**	---	---

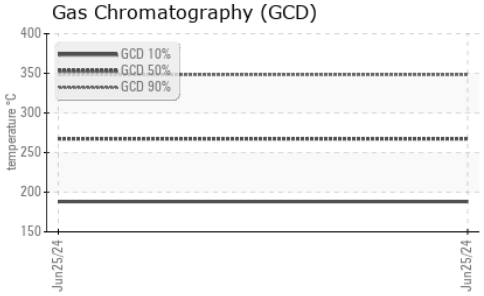
MICROBIAL		method	limit/base	current	history1	history2
Bacteria	CFU/ml	WC-Method	>=100000	**0**	---	---
Yeast	CFU/ml	WC-Method	>=100000	**0**	---	---
Mold	Colonies	WC-Method	MODER	**---**	---	---

FUEL REPORT

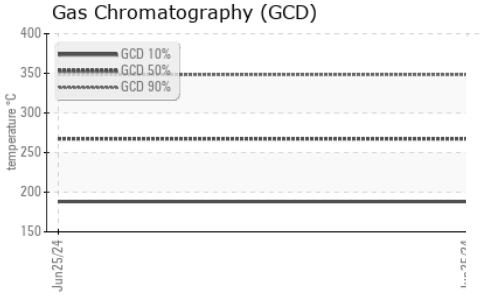
Water (KF)



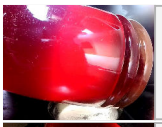
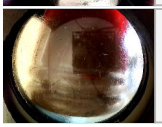
Gas Chromatography (GCD)



Gas Chromatography (GCD)

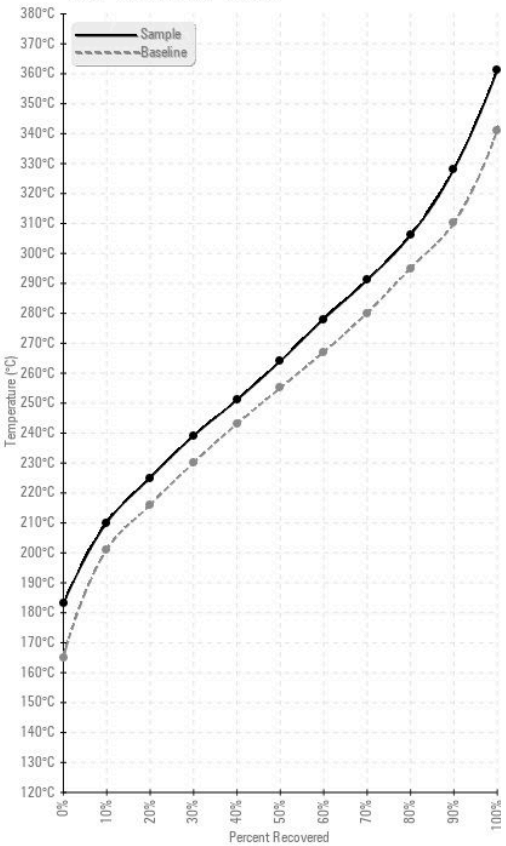


HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	**0**	---	---
Nickel	ppm	ASTM D5185m	<0.1	**0**	---	---
Lead	ppm	ASTM D5185m	<0.1	**0**	---	---
Vanadium	ppm	ASTM D5185m	<0.1	**0**	---	---
Iron	ppm	ASTM D5185m	<0.1	**0**	---	---
Calcium	ppm	ASTM D5185m	<0.1	**0**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

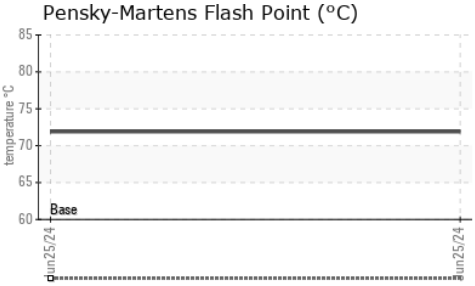
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				*no image*	*no image*
Bottom				*no image*	*no image*

GRAPHS

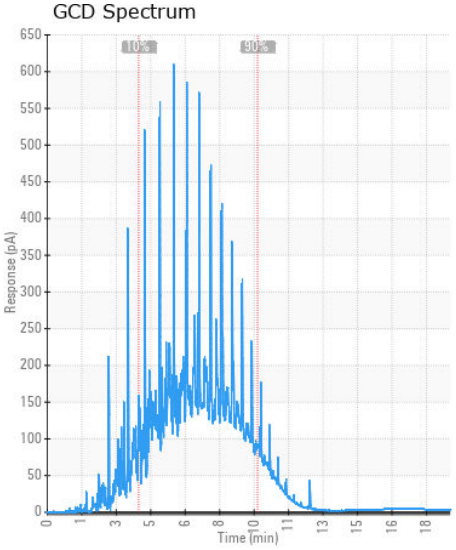
Fuel Distillation Curve



Pensky-Martens Flash Point (°C)



GCD Spectrum



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0957784 **Received** : 25 Jun 2024
Lab Number : 06220616 **Tested** : 02 Jul 2024
Unique Number : 11098813 **Diagnosed** : 02 Jul 2024 - Doug Bogart
Test Package : DF-2 (Additional Tests: Bacteria, Fuel, Screen)

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)

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US 29483
Contact: AJAY EL
Ajay@prsfuel.com
T: (843)225-1777
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Report Id: PETSUM [WUSCAR] 06220616 (Generated: 07/02/2024 23:56:32) Rev: 1

Contact/Location: AJAY EL - PETSUM