Industrial Tank Maintenance Field Report

GROUP NAME: _____ DATE: 2-26-19

CUSTOMER: JEA SVC MARKET _____

FACILITY: _____

ADDRESS: 10828 Burnt Mill Rd

CONTACT: Ben Byrd PHONE: (904) 665-8202

EMAIL: byrdbj@jea.com CELL: (904) 510-6979

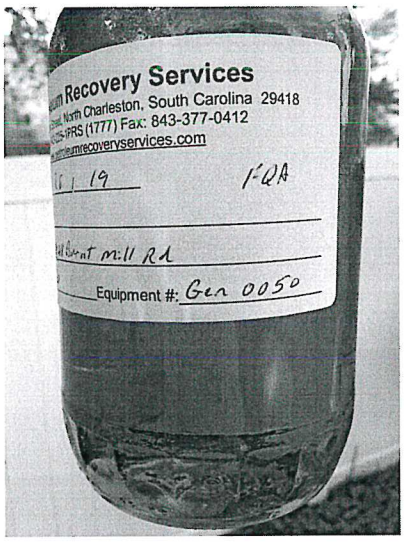
Unit Id : GEN-0050 **Type :** _____ **Capacity :** 500 **Material:** Diesel

Last Tank Cleaning: _____

FUEL SAMPLE TAKEN:
- ✔ Annual/Pre-Clean
- ____ Post Clean
- ____ None

SERVICES PERFORMED:
- ____ Maintenance
- ____ STI 001 Inspection
- ____ Tank Cleaning
- ____ Bottom Sweep
- ____ Pre-clean Lab Analysis
- ____ Post-clean Lab Analysis

Fuel Treatment:
- ✔ HydroClean
- ____ ILFC 1032
- ____ Biocide Predator 6000
- ____ None



Exterior Tank Condition:
- ☑ Good ☐ Bad
- ☐ Recommend Inspection

PARTS CONDITION:

☑ Good	☐ Bad	☐ N/A	-Fill Cap
☑ Good	☐ Bad	☐ N/A	- Vent
☑ Good	☐ Bad	☐ N/A	-Fill Port
☑ Good	☐ Bad	☐ N/A	-Sump
☑ Good	☐ Bad	☐ N/A	- Spill Bucket
☑ Good	☐ Bad	☐ N/A	- Gauge
☑ Good	☐ Bad	☐ N/A	- Gaskets

CONTAMINANTS FOUND:
✔ Pre-Clean ____ Post Clean
- ✔ None
- ____ Bulk Water
- ____ Suspended Water
- ____ Micro-organisms
- ____ Sediments
- ____ Rust
- ____ Sludge

VISUAL FUEL RATING:
✔ Pre-Clean ____ Post Clean
- ____ Refinery Fresh
- ____ Good
- ____ Watch Closely
- ____ Advanced Aging
- ____ Bad-Not Recommended
- ____ Severe-Do Not Use

THIS TANK DOES NOT PASS ASTM D975 "CLEAR & BRIGHT" VISUAL INSPECTION ☐
**Tank cleaning is recommended based on Visual Fuel Inspection ONLY. Lab Report will determine fuel parameters based on ASTM D975 Specifications*

THIS TANK PASSES THE ASTM D975 "CLEAR & BRIGHT" VISUAL INSPECTION. ☑
**Lab Report will determine fuel parameters based on ASTM D975 Specifications*

COMMENTS: This is your FQA sample

SERVICE TECHNICIAN: Willi and Mike DATE: 2-26-19

877-252-6396 (Toll Free) ● 843-225-1777 ● 843-377-0412 (Fax)
4310 Amsterdam St., N. Charleston, SC 29418
www.petroleumrecoveryservices.com

Industrial Tank Maintenance Field Report

GROUP NAME: _____ DATE: 8-7-19

CUSTOMER: JEA SVC MARKET _____

FACILITY: _____

ADDRESS: 5160 William Mills Street

CONTACT: Ben Byrd PHONE: (904) 665-8228

EMAIL: byrdbj@jea.com CELL: (904) 510-7005

Unit Id : GEN-0196 **Type :** _____ **Capacity :** 500 **Material:** Diesel

Last Tank Cleaning: _____

FUEL SAMPLE TAKEN:

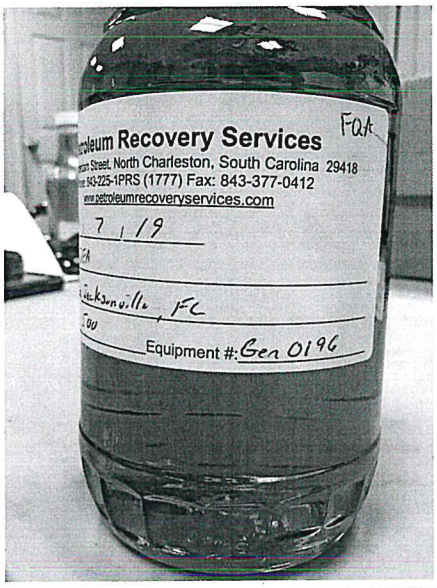
- ✔ Annual/Pre-Clean
- ____ Post Clean
- ____ None

SERVICES PERFORMED:

- ____ Maintenance
- ____ STI 001 Inspection
- ____ Tank Cleaning
- ____ Bottom Sweep
- ____ Pre-clean Lab Analysis
- ____ Post-clean Lab Analysis

Fuel Treatment:

- ✔ HydroClean
- ____ ILFC 1032
- ____ Biocide Predator 6000
- ____ None



Exterior Tank Condition:

- ☑ Good ☐ Bad
- ☐ Recommend Inspection

PARTS CONDITION:

☑ Good	☐ Bad	☐ N/A	Fill Cap
☑ Good	☐ Bad	☐ N/A	Vent
☑ Good	☐ Bad	☐ N/A	Fill Port
☑ Good	☐ Bad	☐ N/A	Sump
☑ Good	☐ Bad	☐ N/A	Spill Bucket
☑ Good	☐ Bad	☐ N/A	Gauge
☑ Good	☐ Bad	☐ N/A	Gaskets

CONTAMINANTS FOUND:

✔ Pre-Clean ____ Post Clean

- ✔ None
- ____ Bulk Water
- ____ Suspended Water
- ____ Micro-organisms
- ____ Sediments
- ____ Rust
- ____ Sludge

VISUAL FUEL RATING:

✔ Pre-Clean ____ Post Clean

- ____ Refinery Fresh
- ✔ Good
- ____ Watch Closely
- ____ Advanced Aging
- ____ Bad-Not Recommended
- ____ Severe-Do Not Use

THIS TANK DOES NOT PASS ASTM D975 "CLEAR & BRIGHT" VISUAL INSPECTION ☐

**Tank cleaning is recommended based on Visual Fuel Inspection ONLY. Lab Report will determine fuel parameters based on ASTM D975 Specifications*

THIS TANK PASSES THE ASTM D975 "CLEAR & BRIGHT" VISUAL INSPECTION. ☑

**Lab Report will determine fuel parameters based on ASTM D975 Specifications*

COMMENTS: Picture of the before cleaning sample

SERVICE TECHNICIAN: Willi & Steven DATE: 8-7-19

877-252-6396 (Toll Free) ● 843-225-1777 ● 843-377-0412 (Fax)
4310 Amsterdam St., N. Charleston, SC 29418
www.petroleumrecoveryservices.com

Industrial Tank Maintenance Field Report

GROUP NAME: _____ DATE: 3-7-19

CUSTOMER: JEA SVC MARKET _____

FACILITY: _____

ADDRESS: 21 West Church Street

CONTACT: Ben Byrd PHONE: (904) 665-8214

EMAIL: byrdbj@jea.com CELL: (904) 510-6991

Unit Id : GEN-0152 **Type :** _____ **Capacity :** 2000 **Material:** Diesel

Last Tank Cleaning: _____

FUEL SAMPLE TAKEN:

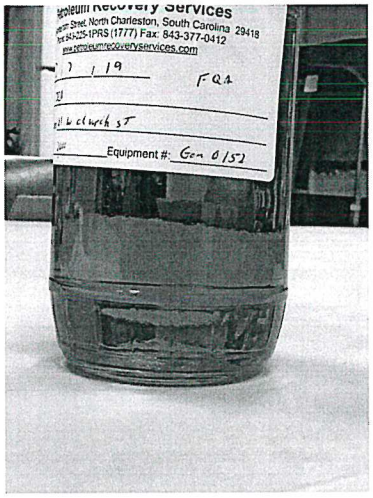
✔ Annual/Pre-Clean
____ Post Clean
____ None

SERVICES PERFORMED:

____ Maintenance
____ STI 001 Inspection
____ Tank Cleaning
____ Bottom Sweep
____ Pre-clean Lab Analysis
____ Post-clean Lab Analysis

Fuel Treatment:

✔ HydroClean
____ ILFC 1032
____ Biocide Predator 6000
____ None



Exterior Tank Condition:

☑ Good ☐ Bad
☐ Recommend Inspection

PARTS CONDITION:

☑ Good	☐ Bad	☐ N/A	-Fill Cap
☑ Good	☐ Bad	☐ N/A	- Vent
☑ Good	☐ Bad	☐ N/A	-Fill Port
☑ Good	☐ Bad	☐ N/A	-Sump
☑ Good	☐ Bad	☐ N/A	- Spill Bucket
☑ Good	☐ Bad	☐ N/A	- Gauge
☑ Good	☐ Bad	☐ N/A	- Gaskets

CONTAMINANTS FOUND:

✔ Pre-Clean ____ Post Clean

✔ None
____ Bulk Water
____ Suspended Water
____ Micro-organisms
____ Sediments
____ Rust
____ Sludge

VISUAL FUEL RATING:

✔ Pre-Clean ____ Post Clean

____ Refinery Fresh
✔ Good
____ Watch Closely
____ Advanced Aging
____ Bad-Not Recommended
____ Severe-Do Not Use

THIS TANK DOES NOT PASS ASTM D975 "CLEAR & BRIGHT" VISUAL INSPECTION ☐
**Tank cleaning is recommended based on Visual Fuel Inspection ONLY. Lab Report will determine fuel parameters based on ASTM D975 Specifications*

THIS TANK PASSES THE ASTM D975 "CLEAR & BRIGHT" VISUAL INSPECTION. ☑
**Lab Report will determine fuel parameters based on ASTM D975 Specifications*

COMMENTS: This is your FQA sample

SERVICE TECHNICIAN: Willi & Mike DATE: 3-7-19

877-252-6396 (Toll Free) ● 843-225-1777 ● 843-377-0412 (Fax)
4310 Amsterdam St., N. Charleston, SC 29418
www.petroleumrecoveryservices.com

Industrial Tank Maintenance Field Report

Petroleum Recovery Services

GROUP NAME: _____ DATE: 2-20-19

CUSTOMER: JEA SVC MARKET _____

FACILITY: _____

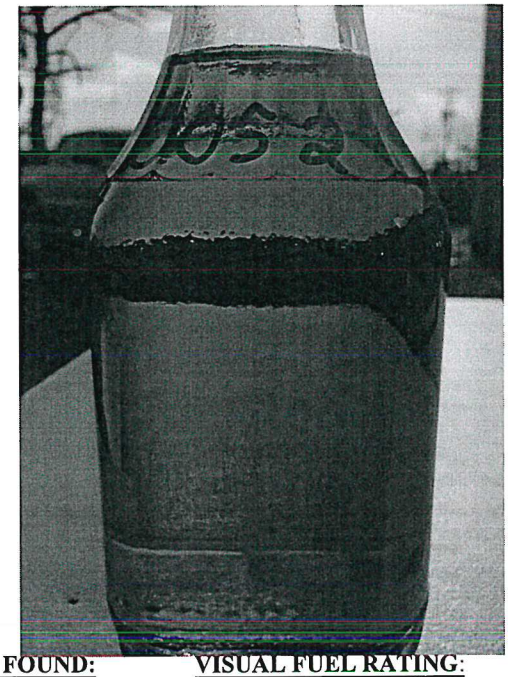
ADDRESS: 4831 Greenland Rd

CONTACT: Ben Byrd PHONE: (904) 665-8195

EMAIL: byrdbj@jea.com CELL: (904) 510-6972

Unit Id : GEN-0052 **Type :** _____ **Capacity :** 400 **Material:** Diesel

Last Tank Cleaning: _____



FUEL SAMPLE TAKEN:
- ____ Annual/Pre-Clean
- ✔ Post Clean
- ____ None

SERVICES PERFORMED:
- ____ Maintenance
- ____ STI 001 Inspection
- ✔ Tank Cleaning
- ____ Bottom Sweep
- ____ Pre-clean Lab Analysis
- ✔ Post-clean Lab Analysis

Fuel Treatment:
- ✔ HydroClean
- ____ ILFC 1032
- ____ Biocide Predator 6000
- ____ None

Exterior Tank Condition:
- ☑ Good ☐ Bad
- ☐ Recommend Inspection

PARTS CONDITION:

☑ Good	☐ Bad	☐ N/A	-Fill Cap
☑ Good	☐ Bad	☐ N/A	- Vent
☑ Good	☐ Bad	☐ N/A	-Fill Port
☑ Good	☐ Bad	☐ N/A	-Sump
☑ Good	☐ Bad	☐ N/A	- Spill Bucket
☑ Good	☐ Bad	☐ N/A	- Gauge
☑ Good	☐ Bad	☐ N/A	- Gaskets

CONTAMINANTS FOUND:

____ Pre-Clean ✔ Post Clean
- ✔ None
- ____ Bulk Water
- ____ Suspended Water
- ____ Micro-organisms
- ____ Sediments
- ____ Rust
- ____ Sludge

VISUAL FUEL RATING:

____ Pre-Clean ✔ Post Clean
- ____ Refinery Fresh
- ✔ Good
- ____ Watch Closely
- ____ Advanced Aging
- ____ Bad-Not Recommended
- ____ Severe-Do Not Use

THIS TANK DOES NOT PASS ASTM D975 "CLEAR & BRIGHT" VISUAL INSPECTION ☐
**Tank cleaning is recommended based on Visual Fuel Inspection ONLY. Lab Report will determine fuel parameters based on ASTM D975 Specifications*

THIS TANK PASSES THE ASTM D975 "CLEAR & BRIGHT" VISUAL INSPECTION. ☑
**Lab Report will determine fuel parameters based on ASTM D975 Specifications*

COMMENTS: Photo shows after cleaning sample

SERVICE TECHNICIAN: Ron and Steven DATE: 2-20-19

877-252-6396 (Toll Free) ● 843-225-1777 ● 843-377-0412 (Fax)
4310 Amsterdam St., N. Charleston, SC 29418
www.petroleumrecoveryservices.com

FOI LABORATORIES

Certificate of Analysis

Laboratory Number: 30519040

Loretta Shaw
Petroleum Recovery Services
4310 Amsterdam St.
North Charleston, SC 29418
843-225-1777

Sample Taken From:	GEN-0052
Sample ID:	JEA-0052
PO:	632329
WO:	JEA - Post

Sample Collection Date:	02/20/2019
Date Received:	03/5/2019
Date Released:	
Component Make:	
Component Model:	AST
Tank Capacity:	400 g
Quantity in Tank:	
Test Package:	Petroleum Recovery Pkg.
Type of Fuel:	ULSD
Serial Number:	

Test	Limits	Methods	Result
API Gravity by Hydrometer	report	ASTM D1298-99	36
Cetane Index	40 minimum	ASTM D976-01	42.3
Cloud Point	report	ASTM D2500-99	-9
Copper Strip Corrosion	3 maximum	ASTM D130-04	1a
Distillation, 50%	report °C	ASTM D86-08a	235.0
Distillation, 90%	282 - 338 °C	ASTM D86-08a	306.67
Flash Point	52 °C minimum	ASTM D93-10	70.56
Microbial Growth	report	Micro/Culture Medium	Negative
Particulate Contamination	report in milligrams/liter	ASTM D6217-08	0
Sulfur	15 ppm maximum	ASTM D5453-09	14
Visual Appearance	Visual	ASTM D4176-04	Clear, Trace Particles
Water and Sediment	0.05 maximum (% volume)	ASTM D2709	0.001
Water by Karl Fischer		ASTM D6304-16	52

Comments

Limits for Particulate Contamination are 10 mg/L in Marine diesel fuel. Petroleum Recovery Services recommends fuel maintenance/filtration on any fuel with 200 ppm or higher of water present.

These results are submitted pursuant to our terms, conditions and limitations and laboratory pricing policy. No responsibility is assumed for the manner in which these results are used or interpreted.

Industrial Tank Maintenance Field Report

GROUP NAME: _____ DATE: 2-14-19

CUSTOMER: JEA SVC MARKET _____

FACILITY: _____

ADDRESS: 9252 San Jose Blvd

CONTACT: Ben Byrd PHONE: (904) 665-8204

EMAIL: byrdbj@jea.com CELL: (904) 510-6981

Unit Id : GEN-0139 **Type :** _____ **Capacity :** 200 **Material:** Diesel

Last Tank Cleaning: _____

FUEL SAMPLE TAKEN:
- ____ Annual/Pre-Clean
- ✔ Post Clean
- ____ None

SERVICES PERFORMED:
- ____ Maintenance
- ____ STI 001 Inspection
- ✔ Tank Cleaning
- ____ Bottom Sweep
- ____ Pre-clean Lab Analysis
- ✔ Post-clean Lab Analysis

Fuel Treatment:
- ✔ HydroClean
- ____ ILFC 1032
- ____ Biocide Predator 6000
- ____ None

Exterior Tank Condition:
- ☑ Good ☐ Bad
- ☐ Recommend Inspection

PARTS CONDITION:

☑ Good	☐ Bad	☐ N/A	-Fill Cap
☑ Good	☐ Bad	☐ N/A	- Vent
☑ Good	☐ Bad	☐ N/A	-Fill Port
☑ Good	☐ Bad	☐ N/A	-Sump
☑ Good	☐ Bad	☐ N/A	- Spill Bucket
☑ Good	☐ Bad	☐ N/A	- Gauge
☑ Good	☐ Bad	☐ N/A	- Gaskets

CONTAMINANTS FOUND:

✔ Pre-Clean	____ Post Clean
✔	None
____	Bulk Water
____	Suspended Water
____	Micro-organisms
____	Sediments
____	Rust
____	Sludge

VISUAL FUEL RATING:

____ Pre-Clean	✔ Post Clean
____	Refinery Fresh
✔	Good
____	Watch Closely
____	Advanced Aging
____	Bad-Not Recommended
____	Severe-Do Not Use

THIS TANK DOES NOT PASS ASTM D975 "CLEAR & BRIGHT" VISUAL INSPECTION ☐
**Tank cleaning is recommended based on Visual Fuel Inspection ONLY. Lab Report will determine fuel parameters based on ASTM D975 Specifications*

THIS TANK PASSES THE ASTM D975 "CLEAR & BRIGHT" VISUAL INSPECTION. ☑
**Lab Report will determine fuel parameters based on ASTM D975 Specifications*

COMMENTS: Photo of after cleaning sample.

SERVICE TECHNICIAN: Ron and Steven DATE: 2-14-19

877-252-6396 (Toll Free) ● 843-225-1777 ● 843-377-0412 (Fax)
4310 Amsterdam St., N. Charleston, SC 29418
www.petroleumrecoveryservices.com

FOI LABORATORIES

Certificate of Analysis

Laboratory Number: 22519082

Loretta Shaw
Petroleum Recovery Services
4310 Amsterdam St.
North Charleston, SC 29418
843-225-1777

Sample Taken From:	GEN-0139
Sample ID:	JEA-0139
PO:	632321
WO:	JEA-Post

Sample Collection Date:	02/14/2019
Date Received:	02/25/2019
Date Released:	03/6/2019
Component Make:	
Component Model:	AST
Tank Capacity:	200g
Quantity in Tank:	
Test Package:	Petroleum Recovery Pkg.
Type of Fuel:	ULSD
Serial Number:	

Test	Limits	Methods	Result
API Gravity by Hydrometer	report	ASTM D1298-99	38
Cetane Index	40 minimum	ASTM D976-01	46.6
Cloud Point	report	ASTM D2500-99	-11
Copper Strip Corrosion	3 maximum	ASTM D130-04	1a
Distillation, 50%	report °C	ASTM D86-08a	243.89
Distillation, 90%	282 - 338 °C	ASTM D86-08a	309.44
Flash Point	52 °C minimum	ASTM D93-10	68.89
Microbial Growth	report	Micro/Culture Medium	Negative
Particulate Contamination	report in milligrams/liter	ASTM D6217-08	0
Sulfur	15 ppm maximum	ASTM D5453-09	76.9
Visual Appearance	Visual	ASTM D4176-04	Clear, Trace Particles
Water and Sediment	0.05 maximum (% volume)	ASTM D2709	0.001
Water by Karl Fischer		ASTM D6304-16	45

Comments

High Sulfur: Too much sulfur can cause wear in diesel engines as a result of the corrosive nature of its combustion by-products. It also increases the amount of deposits in the combustion chamber and on the pistons. ASTM sets limits at 15ppm ULSD, 500ppm LSD & 5,000 High Sulfur.

Limits for Particulate Contamination are 10 mg/L in Marine diesel fuel. Petroleum Recovery Services recommends fuel maintenance/filtration on any fuel with 200 ppm or higher of water present.

These results are submitted pursuant to our terms, conditions and limitations and laboratory pricing policy. No responsibility is assumed for the manner in which these results are used or interpreted.

Industrial Tank Maintenance Field Report

GROUP NAME: _____ DATE: 2-28-19

CUSTOMER: JEA SVC MARKET _____

FACILITY: _____

ADDRESS: 4425 Clinton Ave

CONTACT: Ben Byrd PHONE: (904) 665-8227

EMAIL: byrdbj@jea.com CELL: (904) 510-7004

Unit Id : GEN-0219 **Type :** _____ **Capacity :** 500 **Material:** Diesel

Last Tank Cleaning: _____

FUEL SAMPLE TAKEN:

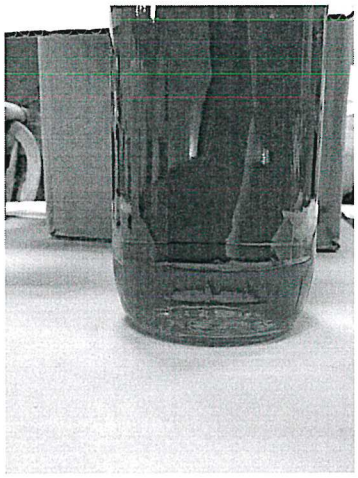
____Annual/Pre-Clean
✔ Post Clean
____None

SERVICES PERFORMED:

____ Maintenance
____ STI 001 Inspection
✔ Tank Cleaning
____ Bottom Sweep
____ Pre-clean Lab Analysis
____ Post-clean Lab Analysis

Fuel Treatment:

✔ HydroClean
____ILFC 1032
____Biocide Predator 6000
____None



Exterior Tank Condition:

☑ Good ☐ Bad
☐ Recommend Inspection

PARTS CONDITION:

☑ Good	☐ Bad	☐ N/A	-Fill Cap
☑ Good	☐ Bad	☐ N/A	- Vent
☑ Good	☐ Bad	☐ N/A	-Fill Port
☑ Good	☐ Bad	☐ N/A	-Sump
☑ Good	☐ Bad	☐ N/A	- Spill Bucket
☑ Good	☐ Bad	☐ N/A	- Gauge
☑ Good	☐ Bad	☐ N/A	- Gaskets

CONTAMINANTS FOUND:

____Pre-Clean ✔ Post Clean

✔ None
____Bulk Water
____Suspended Water
____Micro-organisms
____Sediments
____Rust
____Sludge

VISUAL FUEL RATING:

____Pre-Clean ✔ Post Clean

____Refinery Fresh
✔ Good
____Watch Closely
____Advanced Aging
____Bad-Not Recommended
____Severe-Do Not Use

THIS TANK DOES NOT PASS ASTM D975 "CLEAR & BRIGHT" VISUAL INSPECTION ☐
**Tank cleaning is recommended based on Visual Fuel Inspection ONLY. Lab Report will determine fuel parameters based on ASTM D975 Specifications*

THIS TANK PASSES THE ASTM D975 "CLEAR & BRIGHT" VISUAL INSPECTION. ☑
**Lab Report will determine fuel parameters based on ASTM D975 Specifications*

COMMENTS: This is your after cleaning sample

SERVICE TECHNICIAN: Willi and Mike DATE: 2-28-19

877-252-6396 (Toll Free) ● 843-225-1777 ● 843-377-0412 (Fax)
4310 Amsterdam St., N. Charleston, SC 29418
www.petroleumrecoveryservices.com

FOI LABORATORIES

Certificate of Analysis

Laboratory Number: 31119071

Loretta Shaw
Petroleum Recovery Services
4310 Amsterdam St.
North Charleston, SC 29418
843-225-1777

Sample Taken From:	GEN-0219
Sample ID:	JEA-0219
PO:	632339
WO:	JEA-Post

Sample Collection Date:	02/28/2019
Date Received:	03/11/2019
Date Released:	03/14/2019
Component Make:	
Component Model:	AST
Tank Capacity:	500 g
Quantity in Tank:	
Test Package:	Petroleum Recovery Pkg.
Type of Fuel:	ULSD
Serial Number:	

Test	Limits	Methods	Result
API Gravity by Hydrometer	report	ASTM D1298-99	38
Cetane Index	40 minimum	ASTM D976-01	43.8
Cloud Point	report	ASTM D2500-99	-11
Copper Strip Corrosion	3 maximum	ASTM D130-04	1a
Distillation, 50%	report °C	ASTM D86-08a	234.44
Distillation, 90%	282 - 338 °C	ASTM D86-08a	307.22
Flash Point	52 °C minimum	ASTM D93-10	67.22
Microbial Growth	report	Micro/Culture Medium	Negative
Particulate Contamination	report in milligrams/liter	ASTM D6217-08	0
Sulfur	15 ppm maximum	ASTM D5453-09	73
Visual Appearance	Visual	ASTM D4176-04	Clear, Trace Particles
Water and Sediment	0.05 maximum (% volume)	ASTM D2709	0.001
Water by Karl Fischer		ASTM D6304-16	40

Comments

High Sulfur: Too much sulfur can cause wear in diesel engines as a result of the corrosive nature of its combustion by-products. It also increases the amount of deposits in the combustion chamber and on the pistons. ASTM sets limits at 15ppm ULSD, 500ppm LSD & 5,000 High Sulfur.

Limits for Particulate Contamination are 10 mg/L in Marine diesel fuel. Petroleum Recovery Services recommends fuel maintenance/filtration on any fuel with 200 ppm or higher of water present.

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