

# NJ State Fuel Tank Contract News

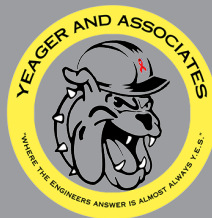
NJ Relies on DieselPure for Filtration  
Corrosion in Tanks is not an Option  
Poor Fuel Quality Is Not An Option

## Do you have problem maintaining fuel quality?

Created specifically to address the unique chemical properties of ultra low sulfur diesel and biodiesel blends, the DieselPure USLD/Bio-blended filter has a two stage single pass design. In a single cycle, fuel is pushed through the internal core media to filter out large particulate (i.e. dirt, microbial growth, etc.) and free standing water. The fuel is then passed through the layers of pleated media to remove emulsified water and fine particulate. This completed process results in the capture of particulates down to 0.2 of a micron and 100% efficiency at removing emulsified water in ULSD and 96% in biodiesel as described below.

## Emulsified Water in Diesel SAE J1488 ver. 2010 test results

DieselPure® filters were evaluated by SAE J1488 ver.2010 (fuel/water (emulsified) separation efficiency) 2010 test method using fuels with different interfacial tensions. SAE J1488 test method determines the ability of a fuel/water separator to remove emulsified water from fuel. The fuel water separation efficiency was determined using the upstream and downstream water concentrations in fuel samples withdrawn before and after the test filter element. The water concentrations were determined using Karl Fischer titration.



## State Contract

### Inside this issue

- DieselPure USLD/Bio-blended Filter
- Battelle Paper
- EPA Regulations
- Uptime Report

Yeager Engineered Systems  
JUNE 2018

# 120 days left for UST Compliance in New Jersey

Veeder-Root, Red jacket, Gasboy and Insite 360 all have solutions.

On June 15th you will have 120 days ... or 19 weeks & 1 day.....79 working days.

What do these new requirements mean for owners and operators?

The new requirements will apply to all UST including gas, diesel, heating oil, waste oil and emergency generator tanks.

Failure rates are known to be 80% per site, 50%+ per component.



## New Operation and Maintenance Requirements:

- Periodic walk-through inspections (beginning Oct 13, 2018)

### Every 30 Days:

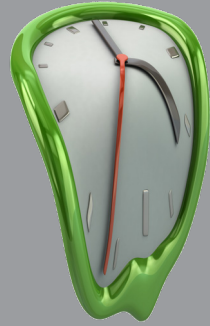
- Check spill prevention equipment
- Check release detection equipment and records

### Annually:

- Check containment sumps
- Check hand held release detection equipment
- Keep records of the walk-through inspection for 1 year



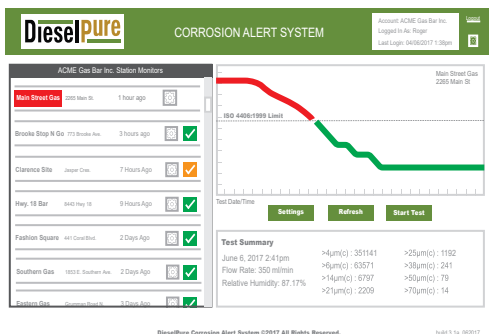
October 13<sup>th</sup>  
2018



AST Overfill Valve

# Investigation Of Corrosion-Influencing Factors in USTs With Diesel Service - U.S. EPA Office of Underground Storage Tanks:

1. Battelee Report, commissioned by Petroleum Equipment Industry.
2. EPA July 2016 Report on Corrosion in Diesel tanks found 82% of diesel tanks (both steel and FRP) inspected showed moderate to severe signs of corrosion with most owners unaware.
3. Uptime Report states Corrosion caused by ULSD has only one known solution: SAE J 1488 version 2010.10 You must get the water out to below 100ppm.
4. On October 1st, 2015, we received 3 calls in a single day from NY City fuel sites with significant failures with bio-diesel - Peter Kerrin, Principle Scientist of Diesel Pure had been speaking the previous day at the National Institute Tank Management Conference on Corrosion Issues, I was with him:
  - A. Problem 1 - Failed underground tank due to bio-diesel corrosion pitting.
  - B. Problem 2 - Failed plastic pipe system



**CORROSION IN  
ULSD IS BEST  
UNDERSTOOD  
BY READING  
THE FOLLOWING  
DOCUMENTS:**

- 1. Battelle Report, commissioned by Petroleum Equipment Industry**
- 2. EPA July 2016 Report on Corrosion in Diesel tanks**
- 3. Uptime Report on Corrosion caused by ULSD**

**POOR FUEL  
QUALITY  
CAN LEAD TO  
CORROSION  
IN TANKS,  
GENERATORS AND  
VEHICLES.**

**NEW  
EQUIPMENT  
DEMANDS  
CLEANED  
AND DRY**

# The Diesel Pure Corrosion Alert System for existing UST and AST Systems



Continuously monitors the fuel to detect contaminants and warn things become a problem.

- Detects dirt, free water, air and fuel degradation products (i growth)
- Alerts for further lab testing to analyze for proper remediation bring the fuel back to ASTM D975 acceptable specification
- DieselPure Emergency Remediation: remove contaminants water (free and emulsified) immediately upon detection. No all water is essential at inhibiting microbial growth. Both water microbes lead to corrosion in the fuel tank.

## Key Specifications

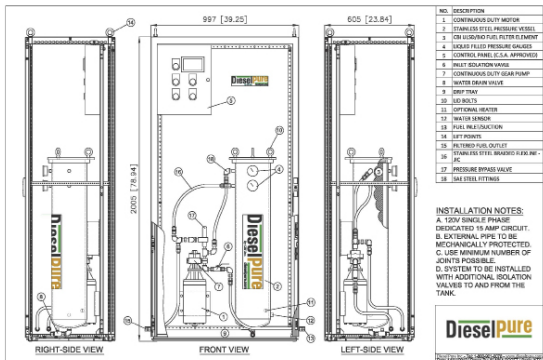
Calibrated to meet ISO 4406:1999	4µm 6µm 14µm 21µm
Can be managed remotely from cloud based dashboard provide alerts and five test results via web, email, or SMS	
Small installation footprint	
Requires less than 400 ml/min flow rate to accurately test	
Can be used with STP or dedicated external pump	

**Dieselpure**  
managere.com

North America  
1-800-901-0078  
International  
1-902-452-7777  
DieselPure.com



## Typical Fueling Solutions:



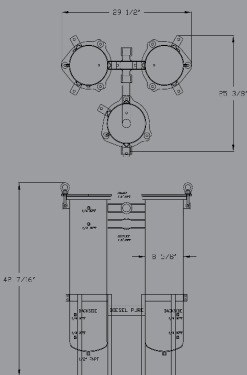
DP 300 - 8,000 Gallon Cabinet Mounted

Installs on any existing fuel system - specifically designed to alert the owner that the fuel being monitored is approaching "out of spec" or "corrosion status".

## Using ASTM 4406 as a Baseline:

- Measures and Detects Fuel Particles in existing fuel and exposure to corrosion
- Alerts Owner or his Representative of impending problem and level of risk
- Communicates with existing Safe Site Systems or Most Tank Gauges
- Communicates with most existing Building Management Systems
- Partners with IBM or other cloud services
- IBM Blue Mix Cloud, can use Watson Analytics to increase data and safety

## DP Island Mount Filtration





### New or Existing Installations - Above or Below ground

**Diesel**pure

# New Fuel Equipment for Safer Sites: We Can Help.

45" X 47"



## The DPW Cube: 400 Gallon & Out- door Ready.

### DPW Cube Features & Benefits:

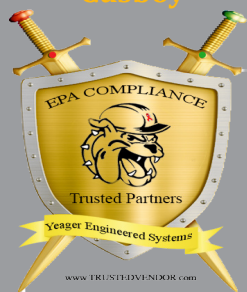
- 6 GPM 120V Pump
- Robust Double Wall Containment
- Outer Tank Holds 110% of Inner Tank Volume
- General Construction Inspection Approval
- Z-40.21-510
- Hinged, Lockable Lid
- Integral Sump
- Electronic Overfill Sensor
- Optical Bund Alarm
- 2" Dry Tanker Coupling
- Liquid Level Gauge
- Auto Nozzle and Nozzle Holder



NTEP CERTIFICATE 17-092  
WEIGHTS & MEASURES

Come Visit  
Us at  
The New  
Jersey  
League of

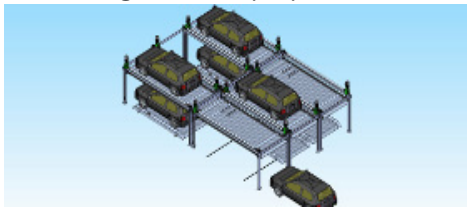
Veeder-Root  
• Convault •  
DieselPure •  
Universal Valve  
• Titan Chemical  
Transfer Solutions  
• Omer Heavy  
Duty Lifts • Brugg  
Pipesystems •  
Gasboy



TECHNICAL  
PRESENTATIONS  
AVAILABLE AT YOUR  
OFFICE OR JOB SITE  
Please Call  
Wesley R. Yeager  
at 973-534-4425 to  
Schedule.

# Solutions for all vehicle parking or storage requirements

OMER is a Company that works worldwide, specialized in design, projecting and manufacturing a very wide range of Parking Systems. The products which complete the catalogue range from the simplest double stacker to the most complex automatic parking system. The range allows for people on board.



## Slide-Liftpark

Omer is pleased to announce the development of the brand new product Slide-Lift Park, a semiautomatic system that allows to take full advantage of all available spaces and manage the vehicle in the shortest time. After the entrance, the vehicles moves automatically and the system calibrates the most convenient parking position.



## Tecnopark

The new version of Tecnopark is now a reality. The latest and greatest evolution of this system happened with the installation in Moscow at 800 mt from the Kremlin. Sixteen completely automatic parking places.

## The solution for your space

The OMER automatic parking systems offer an innovative solution that can make the most of extremely limited spaces, converting any unused, or difficult-to-use space into a 'parking space' (for example it can transform into parking spots such areas as courtyards, roof tops, basement floors, obsolete garages, cellars, private homes or buildings, etc.).



SYSTEMS

PARKING



**A & J Construction****State Contract #: 42269**

5026 Industrial Road  
Farmingdale, NJ 07727  
(732) 919-3850  
Allen Montefusco  
allenm@ajconstruct.com

**Aurora Environmental Inc****State Contract #: 42274**

1102 Union Avenue  
Union Beach, NJ 07735  
(800) 464-0519  
John DiGregorio  
john@auroraenvironmen-

**C-3 Technologies****State Contract #: 42275**

501 Adams Lane,  
North Brunswick, NJ 08902  
(732) 348-8570  
Manny Alvarez  
malvarez@c-3technologies.  
com

**Independence Constructors****State Contract #: 42270**

1200 Route 22E,  
Bridgewater, NJ 08807  
(908) 625.7910  
Chris Trebus  
ctrebus@independenceconstructors.com

**Habegger Equipment****State Contract #: A42261**

327 Washington St N,  
Hammonton, NJ 08037  
(609) 704-9021  
Pete Hojnowski  
pete.hojnowski@habheg-  
ger.com

**Whitemarsh Corporation****State Contract #: 42262**

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(732) 356-7070  
Mark Towey  
mtowey@whitemarshcorp.com

