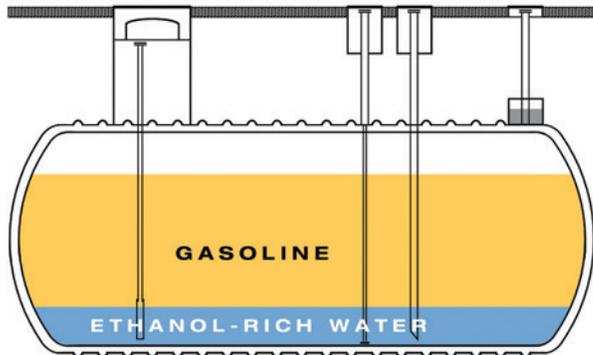


# Ethanol Preparation: Inspections and Services

## PHASE SEPARATION IN ETHANOL BLENDS



Regulatory and widely-accepted industry standards require that a storage tank receiving ethanol-blended fuels must be free of all water, debris and accumulated sodium salts before introduction of the fuel.

According to industry experts, the presence of these constituents in ethanol-blended fuel poses serious consequences for retailers and their customers – they are simply not compatible with ethanol.

## Ethanol and Water Don't Mix

The introduction of ethanol to gasoline storage tanks brings with it some significant concerns to the operator. The first and largest concern is water – ethanol and water simply are not compatible. It takes a small amount of water to cause what is known as “phase separation” in a tank. Therefore, it is critical that ethanol-blended gasoline is not exposed to water at any time.



Debris or particulates, and accumulated sodium salts create similar problems in tanks containing ethanol-blended fuels. For this reason, it is critical that all tanks receiving ethanol fuels should be carefully inspected prior to the first introduction of the fuel to ensure that there is no water, debris or accumulated sodium salts.

Tanknology® is the nation's leader in ethanol conversion inspection and preparation services. Working with major oil companies and regulatory officials throughout the country, we have developed specific protocols for tank inspection and ethanol preparation services. We have performed these services on thousands of tanks, all across the country.

You can rely on us to ensure that your fuel tanks are in optimum condition for that first delivery of ethanol-blended fuels – or to help you if a problem arises later.

**To learn more, or to discuss specific compliance needs for your site, call us today at 1-800-964-1250.**



*Environmental Compliance for Petroleum Systems*



## Details *at a Glance*

### **Problems That Occur When Water or Debris Contaminates Ethanol-Blended Fuels:**

- Fuel octane ratings to levels below specification installation
- Filter clogging, requiring frequent filter replacement
- Spoiled fuel
- Customer vehicle drivability complaints and/or damage

### **The Tanknology Solution:**

- Working with large operators, we have developed specific, detailed protocols for tank inspection and ethanol prep services.
- We have performed these services on thousands of tanks, all across the country.
- In most cases we can inspect and prep your tanks for ethanol in a matter of hours – without taking your site out of operation.

