

## Vapor Pressure Testing

Meet NDIC Rule Order 25417 with Zedi Mobile Vapor Pressure Testing Lab

- Get Vapor Pressure test results next day
- No extra costs for driving samples to a lab
- No shipping charges
- No oil disposal charges
- Daily quality control
- Worry free project management

Our project manager makes sure your Vapor Pressure testing is done on a quarterly basis for all assigned sites

- Technicians are in your area ready to perform Vapor Pressure sampling and testing
- Sampling is done according to ASTM D3700
- Testing is performed to ASTM D6377

To schedule Vapor Pressure sampling and testing contact:

Ali Kinter, Project Manager  
Cell: 970-342-6697  
Office: 970-460-0055  
E-mail: [Ali.Kinter@ZediSolutions.com](mailto:Ali.Kinter@ZediSolutions.com)



Under Rule Order 25417, North Dakota / Bakken producers must make sure that the Vapor Pressure of their crude oil is less than 13.7 psi prior to transport after April 1, 2015.

Recent developments have put crude oil transportation into public spotlight in the United States and Canada. The US Department of Transportation (DOT) has issued an Emergency Testing Order that requires all shippers to test crude oil from the Bakken region to ensure the proper characterization of the crude oil before it is transported by rail.

### Testing crude oil vapor pressure

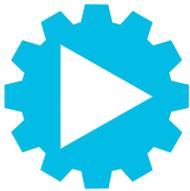
The proper testing of crude oil vapor pressure is critical for meeting Hazardous Material Regulations and in determining the requirements for safe packing for transport. The risk of pressure build up inside a rail car and crude oil boil increases significantly if the crude oil includes volatile components. In the discussion that follows, the term volatile components is used for crude oil components with a high tendency to evaporate, such as dissolved hydrocarbon gases, air or liquid components that begin to evaporate at a low temperature. When testing crude oil samples, it is of utmost importance that the sample is properly handled to keep the volatile light ends in the crude oil prior to vapor pressure testing. Crude oils may be misclassified if hydrocarbon volatiles are allowed to evaporate prior to sampling.

If the sample is measured from an unsealed bottle, there is a risk that the actual vapor pressure of the crude oil inside the rail cargo will end up being significantly higher than the test results suggest. For best accuracy, therefore, it is important to make certain the crude oil sample is tested "as is", including all the volatile components.

### Get the Most Accurate Test Results

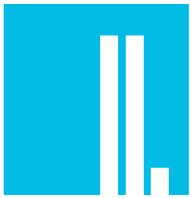
Zedi ensures the crude oil sample is pressurized when the sample is tested in the laboratory. We do this by providing trained and certified crude oil sample collectors who use highly specialized pressurized containers called floating piston cylinders (FPC). Zedi uses FPC's because there is a noticeable difference in the vapor pressure when crude oil is delivered in a pressurized floating piston cylinder versus a bottle. This will ensure the volatile light ends will be present during vapor pressure testing, providing you with the most accurate test results.

Fast and accurate, on-site lab and field services combined with market leading technology enables our customers to meet demanding objectives with the trustworthy service of a friend, and the technology of tomorrow.



## Technology

Innovative hardware with easy-to-read data



## Artificial Lift

The next generation of lift solutions



## Field Services

Decades of safe and reliable field experience

Zedi is a leading oil and gas technology and services company in the field of production operations. We help the world's oil and gas producers be more productive, more profitable and more sustainable. Through technology backed by expert consultation and services, we help our customers realize their production potential.

Our 60 years of continuous operations in North America and recognized as one of the industry's best workplaces sets us apart in the production operations landscape. With our unique combination of award-winning automation, data management and field and professional services, we offer complete solutions for the challenges our customers encounter.