



**Quality Petroleum Equipment  
Solutions for Over 20 Years**

August 3, 2009

Subj: VMI Compatibility with Alcohol Fuels

To Whom It May Concern:

This letter is to address recent inquiries Vaporless Manufacturing, Inc. (VMI) has received regarding the compatibility of our products with ethanol and methanol. In November 2006, VMI completed a component material change allowing our entire product line to be used in alcohol fuel blends up to and including 100%. VMI product brochures printed since 08/06 contain this and other pertinent information. The standard VMI warranty applies to products installed in alcohol fuels through 100% concentrations. While all VMI products have been modified for use with up to 100% alcohol fuel, we feel it important to note that long term exposure to high concentrations of alcohol fuel may compromise copper vent and supply lines. To address this, please refer to the next paragraph.

Line Monitoring / Overfill Protection

To modify VMI line leak detection and overfill protection equipment to monitor / protect lines containing ethanol or methanol over 20% concentrations, substitute stainless steel tubing and fittings in place of standard copper/brass normally supplied. Stainless steel fitting and tubing kits are available for every item VMI produces.

Test Equipment

VMI manufactures a leak detector tester designed for testing systems containing over 20% alcohol fuel concentrations. For long service life testing lines with over a 20% concentration of ethanol or methanol, the LDT-890\AF should be chosen. Due to the VMI method of generating leaks, an accurate 3 GPH @ 10 psi leak rate will be created regardless of the fuel being tested or its viscosity. The LDT-890\AF can also be used to test on standard gasoline and diesel lines.

Please contact me if you have any questions.

Sincerely,

Gabe Messerly  
National Sales Manager

**Vaporless Manufacturing, Inc.**  
8700 East Long Mesa Drive, Prescott Valley, Arizona 86314  
800-367-0185 928-775-5191 Fax: 928-775-5309  
Email: [vmi@vaporless.com](mailto:vmi@vaporless.com) Web Site: [www.vaporless.com](http://www.vaporless.com)