



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

01/02/2007

Vaporless Manufacturing, Inc. (**Vmi**) offers two levels of online self-paced certification.

- Certification for Installing and Replacing **Vmi** Mechanical Line Leak Detectors
- Certification for Operation of **Vmi** LDT-890 Leak Detector Tester

To comply with Federal Statutes the following requirements must be satisfied:

40 CFR 280.44 Methods of Release Detection for Piping

“Each method of release detection for piping used to meet the requirements of § 280.41 must be conducted in accordance with the following:”

Automatic Line Leak Detectors

- 1) “Methods which alert the operator to the presence of a leak by restricting or shutting off the flow of regulated substances through piping or triggering an audible or visual alarm”
- 2) “May be used only if they detect leaks of 3 gallons per hour at 10 psi line pressure within one hour.”
- 3) “An annual test of the operation of the leak detector must be conducted in accordance with the manufacturer’s requirements.”

Vmi’s requirements for Post-Installation and Annual Testing of Catastrophic Line Leak Detection for MLLD’s and ELLD’s are met using the LDT - 890 Leak Detector Tester.

- Testers must pass the Certification Test for the **Vmi** LDT-890 Leak Detector Tester and recertify every two years.
- Certification for Operation of **Vmi** LDT-890 is dependent upon ownership of an LDT-890.
- **Vmi** requires factory recalibration of LDT-890 every two years.
- **Vmi** cannot authorize certification for Operation of the LDT-890 if the technician seeking certification does not own an LDT-890.
- **Vmi** cannot authorize certification for Operation of the LDT-890 if the unit has not been factory recalibrated within the last two years (effective May 1st, 2007).

Certified Testers and equipment are listed online at www.Vaporless.com. Updates monthly, contact factory for questions.

This test and equipment is specific to **Vmi** MLLD and ELLD and is also applicable to any mechanical or electronic line leak detection system insofar as manufacturer guidelines do not exclude this method or equipment for generating catastrophic leaks.

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Other Equipment Recognized by Vmi for Catastrophic Line Leak Testing

Vaporless Manufacturing, Inc. has adopted a formal program to certify equipment not manufactured by **Vmi**. It is reviewing applications to evaluate equipment and testing standards from other line leak detection equipment manufacturers and other non line leak detection equipment vendors to provide **Vmi** approval of qualified equipment and testing protocols.

Vaporless does not recognize the Red Jacket FX Tester as an acceptable piece of equipment for generating catastrophic (3 GPH @ 10 PSI) line leaks or for being used to perform annual testing of Vaporless Mechanical Leak Detectors, for a variety of reasons, including: (1) the FX Tester's inability to compensate for the viscosity of the fuel being tested and (2) the inability of the operator to verify the flow (leak) rate at 10 PSI as per EPA Regulations.

Additional equipment and personnel certified as meeting **Vmi's** requirements for Catastrophic Line Leak Detection Testing are listed at www.Vaporless.com and are identified by field personnel holding a current **Vmi** "Authorized Catastrophic Testing Technician" certification card, issued by **Vmi**, recertified every two years.