

# P·T·I 100-04

## Cylinder Inspection & Re-qualification



### Course Overview

This course has been designed for individuals who wish to become certified by Transport Canada to conduct cylinder inspections and re-qualifications based on the visual inspection method. The student may attend an instructor-led training course or, upon the direction of a P·T·I certified Trainer, study the course manual and attend a specialized review session and demonstration of correct procedures by a P·T·I certified Trainer. In either case, the certification requirements listed below must be achieved in order to successfully complete the course.

### Key Learning Objectives

The student will gain knowledge in the following key areas:

- **Product Knowledge**  
Includes instruction on the properties and characteristics of propane; preventative measures and first aid tips specific to propane; sources of ignition and testing for leaks; emergency preparedness.
- **Cylinder Inspection Procedures**  
Includes instruction on how to conduct a visual inspection; measurement tools; measuring cuts, gouges, digs, corrosion and bulges; inspecting protective collars and footrings. Specifics are provided for both steel and aluminum cylinders.
- **Propane Cylinder Relief Valves and Re-qualification Stampings**  
Includes instruction on the inspection and replacement of relief valves in propane cylinders and the requirements pertaining to the information that must be stamped on the cylinder by the shop completing the re-qualification.
- **Record Keeping and Cylinder Disposal**  
Includes instruction on the record keeping requirements of the cylinder re-qualifying shop and procedures to follow to safely dispose of a cylinder that does not pass visual inspection and must be destroyed.



## Regulatory References

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This course has been designed to satisfy regulatory requirements of the most current CAN/CSA-B149.2 Propane Storage and Handling Code and Transportation of Dangerous Goods regulations. It has been based upon the Compressed Gas Association pamphlets, C-6 Standards for Visual Inspection of Gas Cylinder and C-6.3 Guidelines for Visual Inspection and Re-qualification of Low Pressure Aluminum Compressed Gas Cylinders for re-qualifying cylinders by the visual inspection method. While this course has been written to satisfy national requirements, the P·T·I certified Trainer will also ensure that the student is aware of any additional requirements as outlined by the authorities in their jurisdiction.

This course satisfies national and provincial regulatory requirements including *PCI-1* ROT requirements in Ontario.

Shops providing visual inspection and re-qualification of cylinders must obtain certification from Transport Canada prior to doing the work covered in this course.

## Certification Requirements

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The student must successfully complete both a written and practical hands-on exam provided by a P·T·I certified Trainer. A temporary Record of Training will be issued to the student by the P·T·I certified Trainer valid for ninety days. The Propane Training Institute will issue the student a paper wall certificate and a plastic wallet card certifying successful completion of the course. P·T·I certification is valid for three years from the date of training.

## Course Duration

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The course can be completed in approximately six hours including classroom instruction, demonstration of correct procedures, written exam and practical hands-on exam. Overall duration of an individual course will vary depending on the number of students in the class and their individual skill level.

The cost of classroom instruction is determined by the Trainer or and is dependent on where the training will be held and for how many students.

