

P.T.I 400-04

Filling Forklift Cylinders by Volume



Course Overview

This course has been designed for individuals who fill carburetion cylinders used on forklifts and other off-road vehicles using the volume method of filling. 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.
- **Propane Dispensing Equipment**
Students will understand the major components of the propane storage tank; the major components of the propane liquid transfer system; the protection and inspection of the propane refill centre, including warning signs; the storage of carburetion cylinders at the plant site.
- **Carburetion Cylinder Components**
Includes instruction on cylinder specifications and markings; the various valves and gauges found on a carburetion cylinder; other components of a carburetion cylinder.
- **How to Fill a Carburetion Cylinder**
Students will gain an understanding of how to identify if a carburetion cylinder needs to be removed from the forklift prior to filling; how to remove the cylinder from the forklift; how to complete the pre-fill cylinder inspection; how to determine when a cylinder

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requires purging; how to fill a carburetion cylinder using the volume method, both off and on the forklift; install a filled cylinder on the forklift.

- **Glossary of Terms**

The student manual also includes a glossary of the terms used throughout the training course.

Regulatory References

This course has been designed to satisfy regulatory requirements of the most current CAN/CSA-B149.2 Propane Storage and Handling Code. 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 *PPO-3* ROT requirements in Ontario; *221, 222, and 225* ROT requirements in Quebec; *Class F* ROT requirements in Nova Scotia; *PPO-2* ROT requirements in New Brunswick; *Dispenser Unit Operator* ROT requirements in Prince Edward Island and *Container Refill Centre Operator* ROT requirements in Newfoundland & Labrador.

Certification Requirements

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

The course can be completed in six to eight 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 and is dependent on where the training will be held and for how many students.