



Propane & Natural Gas Vehicle Conversions & Inspections

The Propane Vehicle courses include both the ICE (Internal Combustion Engine) and vehicle inspection programs. Both types of programs involve classroom and hands-on training. All courses meet the requirements of the B149.5-05, Installation Code for Propane Fuel Systems and Tanks on Highway Vehicles, the B109-01 Natural Gas of Vehicles Installation Code Provincial requirements and other Provincial requirements. Students complete both written and hands-on testing and receive a license from TSSA for the ICE programs and a certificate from the Propane Training Institute for the others.

Applicable Certificate/License/Record of Training Regulations: Ontario Regulation 215/01, New Brunswick Regulation 84-176, Nova Scotia Regulation 186/2006. [GO TO REGULATIONS](#)

ICE-P (Internal Combustion Engine – Propane) (ICE-P) (2 days) (E)

Intended For: Mechanics who convert engines to propane or service propane powered engines.

Course Content: Fundamentals of propane, propane storage and transfer, ignition and propane, propane equipment as well as basic wiring and fuel management

Prerequisites: Mechanics license or equivalent

Valid for: 3 years

ICE-IV-P (Internal Combustion Engine – Industrial Vehicle – Propane) (ICE-IV-P) (2 Days) (E)

Intended For: Technicians who convert, service and maintain industrial vehicles such as forklifts and ice machines.

Course Content: Fundamentals of propane, propane storage and transfer, ignition and propane, propane equipment as well as basic wiring and fuel management

Prerequisites: None

Valid for: 3 years



ICE-NG (Internal Combustion Engine – Natural Gas) (ICE-NG) (2 Days) (E)

Intended For: Mechanics who convert engines to natural gas or service natural gas powered engines.

Course Content: Basics of natural gas, product storage & transfer, ignition & natural gas, equipment for natural gas road and industrial vehicles

Prerequisites: Mechanics license or equivalent

Valid for: 3 years

ICE-IV-NG (Internal Combustion Engine – Industrial Vehicle - Natural Gas) (ICE-IV-NG) (2 Days) (E)

Intended For: Technicians who convert engines to natural gas or service natural gas powered industrial vehicle engines.

Course Content: Basics of natural gas, product storage & transfer, ignition & natural gas, equipment for industrial vehicles

Prerequisites: None

Valid for: 3 years

Highway Vehicle Conversion & Inspection (PTI 200-01) (1/2 day) (E)

Intended For: Mechanics who complete the 5 year vehicle inspection on propane powered engines.

Course Content: Procedures for inspection of propane tanks, remote fills, piping & tubing, hose & fittings & engine equipment.

Prerequisites: ICE-P

Valid for: 3 years



Visual Re-Inspection of ASME Containers on Highway Vehicles (PTI 200-02) (1/2 day) (E)

Intended For: Technicians who complete the 5 year vehicle tank inspections on propane powered vehicles.

Course Content: Procedures for inspecting, re-stamping and recording the inspection of propane tanks on highway vehicles.

Prerequisites: PTI 100-1 or PTI 200-1

Valid for: 3 years