



Field Testing for Ethyl Mercaptan in Propane (S005)

Course Summary

This course has been designed to train your employees on how to field test propane to determine whether or not the propane contains the required levels of ethyl mercaptan, which is added to aid in the detection of leaks. Specifically, this course provides instruction on using the baggie method defined within the *CAN/CSGB 3.0 No. 18.5 – Test for Ethyl Mercaptan Odorant in Propane, Field Method* standard. After completing the three lessons within this course, your employees will have an understanding of:

- Who is authorized to conduct the testing and what qualifications are required for the individuals extracting liquid propane for testing purposes;
- What they need to know about the properties and characteristics of propane;
- What they need to know about the safety precautions that should be taken and what to do in the event of an emergency involving propane;
- The methods used to test for the presence of ethyl mercaptan in propane; and
- The steps to follow to conduct the testing using the baggie method with a Gastec Precision Gas Sampling Pump.

Qualifications Required

While any individual with appropriate training (such as this course) may conduct the testing of propane for the presence of ethyl mercaptan, it is important to understand the restrictions regarding the extraction of liquid propane from the storage container. Provincial requirements require that anyone working on the propane liquid systems or removing propane liquid from a container must be a certified propane technician with a liquid propane endorsement.

Related Fuels Learning Centre Courses

We recommend that individuals taking this course also take our **Visual Tank & PRV Inspections** course. Since testing for ethyl mercaptan is conducted in the field, it makes sense to also conduct a visual inspection of the propane storage tank and its components while on site.



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The Learning Process

Our instructors are subject matter experts who will guide your employees through the learning process. The Fuels Learning Centre recognizes your need to get new employees trained as quickly as possible. Full classroom instruction may not be readily available at the time you need, so we provide the ability for your employee to start the learning process on their own by providing access to the Study Guide. Whether they gain initial knowledge through self-study, 1-on-1 instruction, or by attending full classroom instruction, the real knowledge transfer occurs during the skills demonstration provided by a Fuels Learning Centre Instructor. Following the skills demonstration, your employee will have the opportunity to practice the skills they have learned. To ensure they fully understand the curriculum, your employee must successfully complete both a written exam and a hands-on skills evaluation.

Record of Training Certificate

Upon successful completion of both the written exam and the skills evaluation, your employee will be issued a Record of Training (ROT) Certificate. Our ROT certificates are recognized by regulatory authorities across Canada and each certificate is customized to meet regulatory requirements of the province where your employee works. ROT certificates issued by the Fuels Learning Centre are valid for 36 months following the successful completion of the skills evaluation.

Accessing our Training Curriculum

The Fuels Learning Centre offers its training through professional Instructors who have experience delivering curriculum related to the procedures covered in our training. If you have experienced internal trainers, we will work with you to provide access to our curriculum. Our process to authorize Instructors begins with our Instructor Application. There are no fees to become authorized to deliver Fuels Learning Centre training programs, however, our Instructors are bound by a comprehensive Code of Conduct. If you rely on a third-party instructors, ask them to contact us to gain authorization to deliver our training. We can also work with you to find an Instructor in your area.