

Welcome to *The Hard Hat Training Series*



BUY THE COMPLETE
PRESENTATION HERE

Welcome the Hard Hat Training Series. Today, we will be learning how to safely operate a mini-excavator, also called mini-trackhoes. For the purposes of this training we refer to them as excavators or mini-excavators. The goal is to provide information that will increase your knowledge to make you a better operator and keep you and those around you safe.



HARD HAT
TRAINING SERIES

SAFETY
PROVISIONS, Inc.
Copyright Safety Provisions, Inc.



MINI EXCAVATOR OPERATOR
SAFETY TRAINING



Excavators are very common in the construction industry because they are so diverse. They are often used for a variety of tasks including demolition; grading and landscaping; digging trenches, holes, or foundations; and material handling and heavy lifting.



During this training, we'll take a look at the functionality and components of an excavator. We'll also show you why it's important to conduct a thorough pre-shift inspection each day before using the equipment.





We will look at machine stability and the importance of knowing the excavator's capacity. We'll emphasize the importance of planning each job and setting up the machine and site properly to avoid hazards and obstacles around the worksite.



Finally, we will touch on some of the most common hazards associated with mini-excavators and show you how to recognize, avoid, or minimize them.

Hit by Bucket/Load**Trenching/Cave-In****Roll Over****Maintenance/Structure****Power/Utility Line Contact****Run Over/Hit by Superstructure**

HARD HAT
TRAINING SERIES

SAFETY
PROVISIONS, Inc.
Copyright Safety Provisions, Inc.



MINI EXCAVATOR OPERATOR
SAFETY TRAINING





By the time you complete this training with both the written and practical exams, you should be ready to safely operate an excavator. You will be familiar with commonly-used equipment, have an increased knowledge of how to set up and safely operate it, and you'll be able to recognize and avoid the most common hazards associated with their use.



Standards

These are some of the main CSA standards for earth-moving machinery. Of course, provinces and territories have additional standards, as do some industries such as forestry, agriculture, and mining. This is especially true regarding the various types of earth-moving equipment, trench protection, and soil classification.

We have provided these as a guide, but it's your responsibility to know all federal, provincial, territorial, local and company rules that apply to your machine and job site.



Anyone who operates heavy equipment must receive training prior to operating the machine on their own. Requirements for refresher training are also very specific.

Did you know?

Regulations specify that an operator **must** take a refresher course if any of the following apply:

- The operator is observed operating the equipment in an **unsafe** manner (e.g., no seat belt, reckless driving, etc.)
- The operator is involved in an **accident** **or** a **near miss**
- The operator received a **poor evaluation** for performance
- The operator is required to **use a different type of machine** **or** **attachment**
- Workplace conditions have changed

Additionally, regulations state that it is the employer who is responsible to determine the frequency of refresher training.



Standards also say that each operator must be re-evaluated every three years to see if they are still competent to operate the equipment. A so-called “free-pass” cannot be awarded based on experience or age.



Initial training, as well as any evaluations or refresher courses must be documented with the name of the person or persons who taught the class or conducted the evaluation. In Canada, all material handling equipment operators are required to carry proof of training in the form of an operator card. Inspectors will want to see proof of proper and consistent training (in the way of training outlines, class lists, training goals, tests, certificates, etc.).

Only trained and authorized personnel should be permitted to operate the excavator. Before using the machine, the operator must:

- Read and understand the manufacturer's operating instructions and safety rules
- Receive training by a qualified person on the contents of the manufacturer's instructions and safety rules.
- Read and understand all decals, warnings, and instructions on the work platform.
- On a daily basis, before the equipment is used, perform a thorough inspection.



Anatomy & Components

SAMPLE



BUY THE COMPLETE
PRESENTATION HERE



HARD HAT
TRAINING SERIES

SAFETY
PROVISIONS, Inc.
Copyright Safety Provisions, Inc.



MINI EXCAVATOR OPERATOR
SAFETY TRAINING

