

# TRACTOR LOADER BACKHOE

(TLB)



**Course Overview** This 2, 3, 4 or 5 day course provides the fundamentals of safety, equipment characteristics, operation and maintenance that apply to the TLB. Each student receives a combination of classroom/theory and practical/hands-on training.

**Note:** *Each student must have their own equipment (1:1 ratio; student/equipment). This will ensure adequate practical skill development.*

## Classroom Topics

- ▶ Dimensions and stability
  - Universal forces and principles
  - Downhill force
  - Important factors relating to center of gravity
- ▶ Machine control
  - Machine and loader controls
  - Hydraulic control
  - Backhoe control
- ▶ Safety
  - Safety systems
  - Backhoe accidents
  - Excavations
  - Transporting wheeled machinery
- ▶ Maintenance
  - Engine and machine life
- ▶ Utilities
  - One call system
  - How to proceed with the job
  - The “four stages of alert”
  - Variables that determine pipe breakage
  - Investigating possible utility lines
  - ORCGA best practices will be discussed
- ▶ Homework will be assigned to be completed for Day 2

**Note:** This is **NOT** an inclusive list. Additional topics can be added to meet your specific requirements.

**Field/Hands-On Activities**

- ▶ Pre-start inspection
- ▶ Trenching fundamentals
- ▶ Stock piling/spoil placement
- ▶ Controls review
- ▶ Post operation procedures
- ▶ Maneuvering around obstacles
- ▶ Backhoe and bucket operation
- ▶ Excavation techniques
- ▶ Bank development
- ▶ Loading trucks

**Learning Objectives:** This course will help operators make better, more informed decisions in every aspect of Tractor Loader Backhoe operation. The results of this learning process are improved:

- ▶ Knowledge and conscientious attitude
- ▶ Maintenance habits
- ▶ Safety awareness
- ▶ Productivity

**Evaluation/Documentation:** Theory exam (multiple choice); oral exam (by instructor) and practical exam (on equipment).

Each successful participant will be provided with a course certificate and the employer will receive a written operator training summary.

**About the Facilitator:** Developed and delivered to you by **Ground Force Training Inc.**

