

Hydraulic Excavator

- Machine and Jobsite Safety
- Operator Compartment and Control familiarization
- Machine Walk around to locate and identify major components, controls and gauges
- Start-up and Shutdown procedures
- Digging Procedures, Practices and Regulations
- Loading Procedures and Practices
- Machine Relocation Procedures and Practices
- Correct Attachments and machine Operational Techniques

Machine Walk around. Learn pre-operation machine inspection procedures to ensure proper operating and safety conditions.

Controls Familiarization. Learn and understand hydraulic excavator operator controls.

Bucket Placement. Position excavator bucket in space.

Raking the Green. Position excavator bucket to follow trajectory in a straight line.

Over the Moon. Position excavator bucket to follow arc movements of the stick/boom/bucket combination.

Loading & Off-Loading Machine from Low-Boy Trailer. Learn to load and unload machine properly from trailer following all safety procedures

Trenching. Use bucket to excavate trench.

Backfilling. Learn to properly backfill a trench.

Truck Loading. Load dirt into bucket and dump contents into articulated truck from ground level using “over the rail” technique.

Bench Loading. Learn to load articulated truck from bench position.

Setting Trench Box & Pipe. Learn to load and secure the trench box to the machine, move into position and properly lower the pipe into the trench.

Production Cycle. Exercise builds on previous modules to teach user to complete a full production cycle, including unloading machine from trailer, digging trench, setting trench box and pipe, backfilling trench and reloading machine onto trailer.

Quick Coupler. Learn to change tools using the Quick Coupler feature on the machine.

Open Training. Allows instructor to expand functionality of simulator to customize training for each student according to individual need