

CAT® SIMULATORS



USE CAT® SIMULATORS HYDRAULIC EXCAVATOR TRAINING TO INCREASE PRODUCTION WHEN BENCH LOADING TRUCKS

Every bit counts toward the profit margin when measuring production on a jobsite. Simulator training with the Cat® Hydraulic Excavator System can help your operators increase production by using an optimal method of loading trucks from the bench. Doug Bohnker, Installation and Training Instructor, explains how using the “Through the Gate” method when bench loading trucks with a hydraulic excavator can increase production on the jobsite.

“Through The Gate” is a bench loading technique that increases productivity by limiting machine movement, with both swing and lift, to reduce cycle times. The Excavator operator swings the bucket over the rear of the truck body, between the sides of the truck or “through the gate” to dump the load. This technique uses the lowest point of the truck body, which reduces lift height from what is required when side loading. It is also a good technique to use if a truck is lost to the cycle, or if the area being worked is particularly tight, as the reduction in lift and swing can often make up time in the cycle. (“Lost to the cycle” means missing a truck from the cycle because it is down for maintenance; or not enough trucks are operating to keep up with the cycle for the distance needed to travel, in turn making the Excavator wait to load.) Because the excavator swings on a fixed arc, proper truck positioning is extremely important. The Excavator must be able to reach the front of the truck bed as well as the rear. If the truck is spotted to the wrong position for loading, the Excavator may run out of reach, and time will be lost re-spotting the truck to a new position.

Get the most out of operator production and it goes toward a project’s profit margins. Training operators on a simulator can help increase production and avoid wasting resources. To find out other tips to help better train operators, contact

tips@catsimulators.com.

