

CAT[®] SIMULATORS



USE CAT[®] SIMULATORS ARTICULATED TRUCK TRAINING TO SAFELY LEARN HOW TO OPERATE WITH AN OSCILLATING HITCH

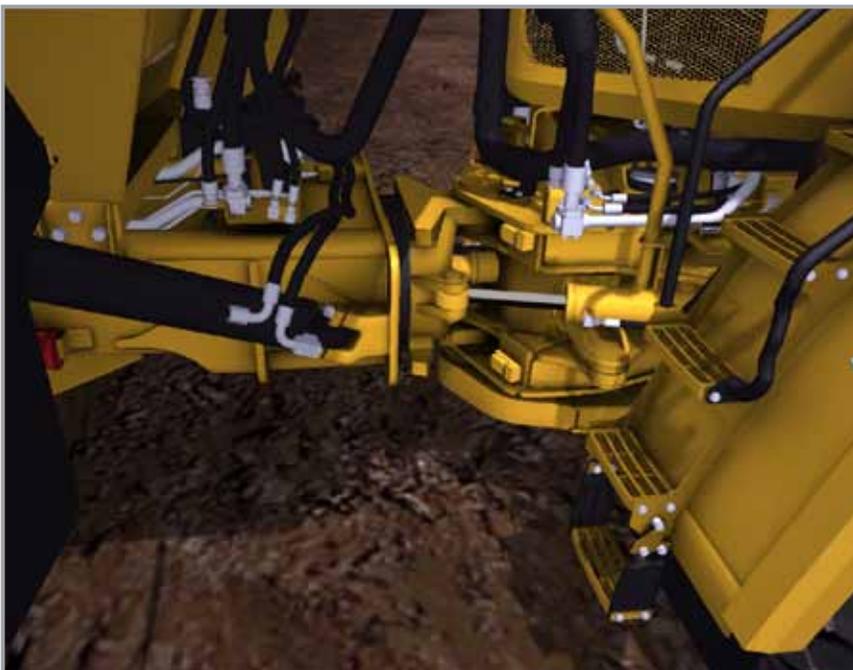
Articulated Trucks are large machines that contain a special oscillating hitch that allows the truck to turn in tight spots. Doug Bohnker, Installation and Training Instructor, explains how simulator training with the Cat[®] Articulated Truck System can help your operators learn to safely and efficiently maneuver the truck around a construction site with the oscillating hitch component.



Articulated trucks have different operating characteristics from those of rigid frame trucks. Twisting stress between the front frame and the rear frame of an Articulated Truck is eliminated by an oscillating hitch. The oscillating hitch is installed between the front cab

and the dump body. The articulation and oscillation components are both equally important to maintain and observe.

Note: Check the machine's Operations & Maintenance Manual (OMM) for alignment and grease schedules. The oscillation portion has to be readjusted at given intervals to retain the proper specifications or the risk of the oscillation bearings, seals and



retention system can be damaged. If any damage occurs, it will be costly and immediate repairs will be necessary or could result in failure, causing separation of the frame at this point. The operator may even feel and/or hear a hammering or clunking sound behind him when it becomes loose. Immediate



attention is required. If ignored, the possibility of harm to the operator and damage to the machine may be imminent.

- The oscillating hitch allows unlimited oscillation between the cab and the dump body.
- It is possible for the dump body to overturn while the cab remains upright.
- A sudden shift in momentum or in load distribution can cause the dump body to overturn. This shift can be caused by sudden steering and/or severe braking action on slopes or in turns, or excessive speed in turns or on sloping or rough ground.
- Unlimited oscillation between the cab and the dump body is normal. However, the operator receives no warning of an overturn.
- The rated load of the machine must not be exceeded.
- Distribute the load evenly in the dump body and avoid excessive heavy loading in the front section.
- Avoid sudden steering and/or severe braking action in turns or on sloping ground.
- Avoid traveling across slopes. If this operation is unavoidable, reduce speed. Stay alert and avoid any sudden steering and/or severe braking action.
- Use caution before dumping/ ejecting. A combination of material that is stuck in the body and soft ground conditions can cause the trailer to overturn.

Training Articulated Truck operators on a simulator can help reduce accidents and increase production. Take the opportunity to train operators on grades with full dump beds, before operators are in the actual truck. Let them practice braking without destroying actual brake systems. To find out other tips to help better train operators or to share your own tips on Articulated Truck operation, contact tips@catsimulators.com.



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