



Toolbox Safety Talks

Heavy Equipment - Drive Train Failure

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- 1) What are the hazards involved with a drive train failure?
 - a. Wrecks, roll over, slides, etc. resulting in personal injury and/or property damage
- 2) What safe practices should be used when your drive train fails?

Your first priority is to maintain control of the machine. Stay in your lane and use your radio to alert other vehicles and ground crew in the area. Then follow your 6 S's:

- a. Stop The Vehicle
 - i. To stop, use the retarder, service brake, and/or the secondary brake.
 - ii. Depending on where the failure is in the drive train, move the shift lever to a lower gear. As ground speed decreases and the truck is allowed to downshift, the engine will absorb some of the energy
 - iii. Know the location of runaway ramps and use them if at all possible. Some operations use straddle berms—loose material that a truck can drive over to slow down
 - iv. If possible, stop on a level area away from other traffic. If that's not possible, try to stop next to an embankment. Turn your wheels so the truck will roll into the wall
- b. Shift To Neutral
- c. Set The Parking Brake
- d. Shut Down The Engine
- e. Summon Help Call the service technician and describe the problem.
- f. Stay In The Cab Usually you should stay in the cab until help arrives. This is especially true if there's a chance of a potential hazard around the truck that you can't see. However, if there's a threat to your safety in the cab, you should find the safest, fastest exit

- 3) Has anyone every experience a drive train failure?
- 4) What did you do to combat the problem? What would you have done differently?
- 5) What are the 6 S's?
- 6) Are there any other safety concerns you would like to discuss?



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Make Time for Safety, Everyday! – Yes, production is important, *but the focus must be on Safe Production!* Keep that in the back of your mind. Don't take risky chances and stay out of harm's way. Nobody goes to work thinking *'I'm going to get hurt or killed on the job, today!'* But every day 15,000-17,000 workers suffer disabling injuries on the job and another 11-17 are killed. ***What are you doing to make sure it doesn't happen on your shift?***

Keep stoking the fire; we can't let the 'Safety Train' run out of steam!

Date Presented: _____

Presented By: _____

Attendance Sheet
