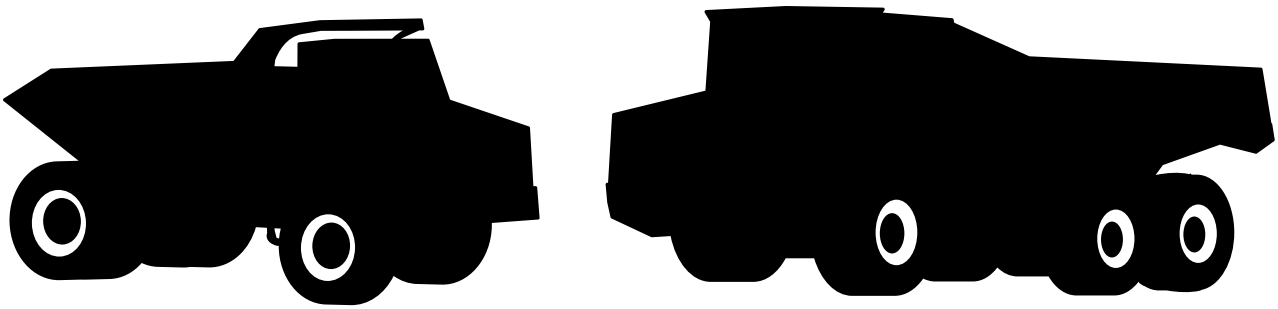
Task Training Supplement:

Braking Safely With Off-Highway Dump Trucks

Excerpted from the Association of Equipment Manufacturers (AEM) *Off-Highway Dump Truck Safety Manual For Operating and Maintenance Personnel,* FORM D48-2



The information provided in this publication supplements the specific information about your machine that is contained in the manufacturer's manual(s). Before you operate the machine, make sure you have the manufacturer's manual(s) for this machine and all attachments. If the manufacturer's manuals are missing, obtain replacement manuals from your employer, equipment dealer or directly from the manufacturer. Read and understand all manuals.

This publication is another in a series of the safe operation of machinery published by AEM. For additional publications, visit our website at **www.safetymaterials.org**.

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Work safely

Brake Safety

Your machine is equipped with braking and retarding systems designed to SLOW, STOP and HOLD the machine during different segments of operation. Make sure you are familiar with the NORMAL function and operation of each of these braking systems before you operate the machine. Use each of these systems only as instructed in your manufacturer's manual.

Check your operator's manual and be fully aware of proper EMERGENCY braking procedures for your machine. Know the proper use of each of the systems in an emergency situation before you operate the machine.

WARNING: If a malfunction has caused an emergency stop, do not operate the machine until a complete check has been made of the entire braking system and any necessary repairs have been made.

Check the operator's manual. Be aware of pressure and temperature readings required for proper operation of the braking systems. Check these readings before and frequently during operation. Be aware of warning lights and alarms that indicate conditions that are not correct for proper operation. (20)

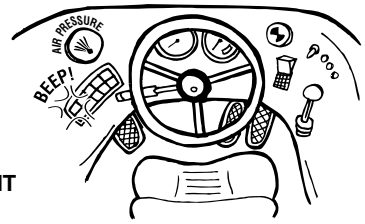
Continuous or repeated on-off use of the service brakes to control downhill speed is not recommended. This can reduce pressure and/or raise temperatures in the service brake system to dangerous levels.

Select the correct combination of gear range and use of the speed retarding system to control downhill speed. Read your manufacturer's manual for proper use of these systems.

Do not use the service brakes to hold the machine in place for a long period of time. Shift the transmission to NEUTRAL and use the PARK/HOLD brake for this purpose.

WARNING: Never operate your machine unless pressures and temperatures required for proper brake performance are indicated. Stop your machine in a safe place and have the problem corrected.

PROPER USE AND CARE OF YOUR BRAKING SYSTEMS ARE CRITICAL TO YOUR SAFETY AND THE SAFETY OF THOSE AROUND YOU.



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