



TAILGATE/TOOLBOX SAFETY MEETINGS



Safety Services Company-Safety Meeting Division, PO Box 78402, Corona, CA 92877 Toll Free (866)204-4786

Company Name: _____ Job Site Location: _____

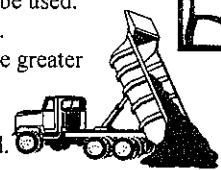
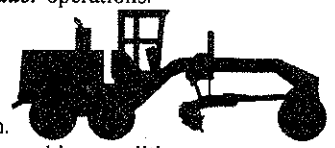
Date: _____ Start Time: _____ Finish Time: _____ Foreman/Supervisor: _____

Topic 230: Safe Operation for Graders

Introduction: Motor-Graders (blades) are the machine of choice for any leveling or grading of earth or aggregate materials on roadway construction, or large sites, where precise elevations must be carried over extended distances. The dangers inherent in operating any large, extremely powerful piece of equipment are minimized by following the basic rules of heavy equipment operations and rules specific to Motor-Grader operations.

General heavy equipment safety precautions which apply to Motor-Graders:

- Operator should be trained and familiar with the piece of equipment to be used.
- Equipment and systems must be inspected and checked for proper operation at the start of each shift.
- Never refuel when the engine is running. Do not smoke while filling the fuel tank or servicing the fuel system.
- Before starting the engine, always check the service brakes and the parking brake to ensure they are in proper working condition.
- Never attempt to start or operate the grader except from the operator's station.
- Motor-Grader must be equipped with rollover protection system (ROPS) and seat belts must be used.
- Motor-Grader must be equipped with an operating automatic back-up alarm and with a manually operated warning device (horn).
- Keep all trash accumulation removed from the engine and the operator's station.
- Keep hands, floors, and controls free of water, grease, and mud to ensure non-slip control.
- Because of the danger of being caught in moving parts, loose jackets, shirts, sleeves, or other loose items of clothing should be avoided.
- Dust suppression and control is required where dust seriously limits visibility. Wear breathing protection when needed.
- All cab windows must be kept clean for maximum visibility.
- Prior to transporting or "roading" a Motor-Grader, check local government regulations and use required escorts and accessory lighting to provide adequate warning to for other drivers.
- Wherever equipment operations encroach on a public thoroughfare, a system of traffic controls must be used.
- Flaggers are required at all locations where barricades or warning signs cannot control moving traffic.
- Always keep the grader in gear when going down steep grades or slopes. When operating on an incline greater than 15 degrees always cant your wheels into the slope and push materials down-slope.
- Never drive too close to the edge of ditches or excavations.
- Do not leave the engine running while making adjustments or repairs unless specifically recommended.
- Keep hands, feet, and clothing away from power-driven parts.
- General repairs must not be made to powered equipment until workers are protected from movement of equipment or its parts.
- Before repairs are made, workers must comply with lock-out/block-out requirements.



Motor-Grader Facts: Most injuries involving graders do not occur to the operator, but are inflicted on ground personnel working in or around the vicinity of moving machines. Always be aware of the location of persons working near your machine. Finish grading operations frequently require the aid of ground personnel who should be thoroughly familiar with the procedures of your operation and the capabilities of the machine; usual operating procedures should not be changed without first notifying ground personnel. Never assume that your assigned ground workers will watch out for their selves. Always know your ground personnel's location, if they are not visible to you, **DO NOT MOVE THE MACHINE OR ANY IMPLEMENTS!** Never operate equipment at speeds which would cause ground help to work in a careless manner. **REMEMBER**, they are depending on your skill and judgment, as are all personnel in the immediate work-zone.



Conclusion: Motor-Graders have more controls for operation than any other piece of heavy equipment commonly used in construction and different manufacturers place standard controls in different places. Be thoroughly familiar with all controls in the particular machine you are operating. Hunting for a control, while the machine is moving, is a common way to cause an accident. High speed and rough surfaces do not mix when moving a grader. Never move the machine with a rider mounted externally or even in the cab unless proper seating and restraints are provided. Many crushing accidents have occurred as a result of the disregard for this rule. No operator is "too smart" to read the operator's manual for his machine; nor should he ever ignore common sense or work his machine under conditions which he knows to be unsafe.

Work Site Review

Specific Work-Site Hazards and Safety Suggestions: _____

Employee Signatures:

(My signature attests and verifies my understanding of and agreement to comply with, all company safety policies and regulations, and that I have not suffered, experienced, or sustained any recent, reportable, job-related injury or illness.)

Foreman/Supervisor's Signature:

These guidelines do not supercede local, state, or federal regulations and must not be construed as a substitute for, or legal interpretation of, any OSHA regulations.