

Hazard Review

- **Being crushed or injured by rolling/moving logs**
- **Cuts, scrapes, abrasions**
- **Eye injury**
- **Hearing loss**

Related Safe Work Practices

- **Automobile and Truck Driving**
- **Brush Removal and Chipping**
- **Felling Trees**
- **Fuel Safety**
- **Log Loaders/Tree Cranes**
- **Lock Out and Tag**
- **Skidder Operation**
- **Stump Cutters**

Required Personal Protective Equipment

- **Varies; depends upon specific machine**

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BEFORE

1. Anyone operating a machine must receive specific training on operating that machine prior to its use, and that training must be documented.
2. Each machine must be maintained in serviceable condition.
3. Each machine must be inspected before initial use and before each work shift. Defects or damage shall be repaired or the unserviceable machine shall be replaced before work is commenced.
4. Operating and maintenance instructions must be available on the machine or in the area where the machine is being operated. Each machine operator and maintenance employee shall comply with the operating and maintenance instructions.
5. Modification of any machine from its original operation is strongly discouraged. If modification is to be made, it shall undergo appropriate manufacturing or engineering review for safety and approved in writing before the modification is made. If an approved modification is made, the modification shall be documented in writing. All operating staff shall be

trained in the modified operation before operating the machine, and that training shall be documented in writing¹.

6. Before starting or moving any machine, the operator shall determine that no employee is in the path of the machine.
7. No employee shall be positioned in the path of the moving vehicle/equipment, standing on front or rear steps or on side steps, or in any other location where he cannot be seen by the vehicle/equipment operator and is subject to being struck by the vehicle/equipment or being thrown off the vehicle/equipment.²
8. The operator shall ascertain that all individuals are clear of the point of operation or any pinch points before actuating the controls, and shall be ready to stop the operation³.

DURING

1. The machine shall be started and operated only by a designated person. A "Designated Person is an employee who has the requisite knowledge, training and experience to perform specific tasks.
2. Stationary logging machines and their components shall be anchored or otherwise stabilized to prevent movement during operation.
3. The rated capacity of any machine shall not be exceeded.
4. The machine shall not be operated on any slope which is greater than the maximum slope recommended by the manufacturer.
5. The equipment operator shall not operate movable elements (boom, grapple, load, etc.) close to or over personnel.
6. The machine shall be operated only from the operator's station or as otherwise recommended by the manufacturer.
7. The machine shall be operated at such a distance from employees and other machines such that operation will not create a hazard for an employee.
8. No employee other than the operator shall ride on any mobile machine unless seating, seat belts and other protection equivalent to that provided for the operator are provided and used when the machine is traveling.

¹ RPD Industrial Investigation, EHS Case #3285, DOI 11/30/06

² Ibid

³ Ibid

9. No employee shall ride on any load.
10. Before the machine operator dismounts, the machine brake lock or parking brakes shall be applied. Each moving element, such as but not limited to blades, buckets and shears, shall be grounded.
11. The rated capacity of any vehicle transporting a machine shall not be exceeded.
12. The machine shall be loaded, secured and unloaded so that it will not create a hazard for any employee. Note: This requirement covers the loading, securing, and unloading of a machine on and off a transport vehicle.
13. Equipment controls shall be checked to assure proper function and response before work is started.
14. Stability limitations of equipment shall not be exceeded.
15. Walking and working surfaces shall be kept free of any material which might contribute to slipping and falling.
16. No flammable waste or debris may be kept on walking or working surfaces.
17. Steel decks of machines and other machine work stations shall have safety tread or other slip-resistant material.
18. A seat belt will be provided for each vehicle or machine operator.
19. Each employee will use the available seat belt while the vehicle or machine is being operated.
20. Each employee will securely and tightly fasten the seat belt to restrain the employee within the vehicle or machine cab;
21. Seat belts will not be removed from any vehicle or machine. The employer shall replace or cause to be replaced each seat belt which has been removed from any vehicle or machine that was equipped with seat belts at the time of manufacture.
22. Each seat belt will be maintained in a serviceable condition.
23. For mobile collection/compaction equipment⁴:
 - No employee shall be permitted to ride on a loading sill.

⁴ RPD Industrial Investigation, EHS Case #3285, DOI 11/30/06

- When parts of mobile collection equipment are raised, they shall be blocked before work is performed beneath the raised parts in accordance with RPD's Lockout and Tag safe work practice.
- In addition, follow the Department's Lockout and Tag safe work practice before cleaning, repairing, servicing or adjusting mobile collection equipment.

AFTER

1. After the machine engine is shut down, pressure or stored energy from hydraulic pneumatic storage devices shall be discharged.