

# TOOLS, FIRE EXTINGUISHERS AND EXPLOSIVES

# E

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<b>E</b>		Oregon Administrative Rules Oregon Occupational Safety and Health Division
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## **437-007-0400 Hand and Portable Power-Driven Tools.**

- (1)** The employer is responsible for the safe condition of hand and portable power tools used in forest activities regardless of tool ownership.
- (2)** All safety devices and controls must be in place and function properly.
- (3)** The employer must require personnel to:
  - (a)** Inspect each tool before use to assure its safe condition.
  - (b)** Report any unsafe tool condition to the employer.
  - (c)** Remove or repair tools if the condition affects the safe operation.
- (4)** If a slick or slippery axe or hammer handle cannot be firmly gripped, the tool must not be used.
- (5)** Tools must be:
  - (a)** Appropriate for their use.
  - (b)** Used in a safe manner.
- (6)** Wooden handles must be sound, straight-grained and tight-fitting.
- (7)** Heads of shock or impact-driven and driving tools must be dressed or ground to remove any mushrooming.
- (8)** When the heads of shock or impact-driven tools show a tendency to chip, they must be removed from service.
- (9)** Cutting edges of tools must be sharp and properly shaped.
- (10)** When tools are not being used, they must be stored in a location where they will not create a hazard.
- (11)** Racks, boxes, holsters, barriers or equivalent means must be provided and used so the passengers and/or driver will not be endangered by tools, equipment or materials being transported, loaded or removed.

**Stat. Auth.:** ORS 654.025(2) and 656.726(4).

**Stats. Implemented:** ORS 654.001 through 654.295.

**Hist:** OR-OSHA Admin. Order 5-2003, f. 6/02/03, ef. 12/01/03.

**437-007-0405 Chain Saws.**

- (1) Chain saws must be inspected before use.
  - (2) Chain saws must not be used if they have cracked or loose handle bars or defective vital parts.
  - (3) Chain saws must be operated and adjusted in accordance with the manufacturer's instructions.
  - (4) Chain saws must not be fueled with the engine running.
  - (5) Chain saws must be fueled at least 10 feet (3 m) from open flames or other source of ignition.
  - (6) Chain saws must not be started within 10 feet (3 m) of the fueling area.
  - (7) Chain saws must have an operable chain brake, if originally designed and equipped with a chain brake.
  - (8) Chain brakes and other manufacturer's safety features must be operational at all times.
  - (9) Chain saws must be equipped with an automatic throttle control which will return the engine to idling speed upon release of the throttle.
- NOTE:** "Idling" is when the chain is not moving while the engine is running.
- (10) Each chain saw must meet all applicable requirements of American National Standard, ANSI B175.1-1991, Safety Requirements for Gasoline-Powered Chain Saws, except where exempt by these rules.
  - (11) Chain saws must be started on the ground if they are not otherwise firmly supported.
- NOTE:** This does not apply to personnel working aloft in trees when supported by climbing spurs and climbing belt.
- (12) Chain brakes must be engaged when feasible, while chain saws are being started, unless the manufacturer recommends otherwise.
  - (13) Chain saw operators must be certain of footing before starting to cut.
  - (14) Chain saws must be held with the thumbs and fingers of both hands encircling the handles during operation unless the employer demonstrates that a greater hazard is posed by keeping both hands on the chain saw in that particular situation.

**(15)** Personnel must not use a chain saw:

**(a)** To cut directly overhead in a manner that would cause limbs, chunks of bark or pieces of wood to fall on the operator.

**(b)** At a distance that would require them to relinquish a safe grip on the saw.

**(c)** In a position or at a distance that could cause them to:

**(A)** Become off balance, or

**(B)** Have insecure footing.

**(16)** Chain saws must be carried in a manner that will not create a hazard for the operator.

**(17)** Where terrain or brush creates a hazardous condition, the chain saw engine must be shut off while the operator is walking.

**(18)** The chain saw must be shut down or the chain brake must be engaged whenever a saw is carried farther than 50 feet.

**Stat. Auth.:** ORS 654.025(2) and 656.726(4).

**Stats. Implemented:** ORS 654.001 through 654.295.

**Hist:** OR-OSHA Admin. Order 5-2003, f. 6/02/03, ef. 12/01/03.

**437-007-0410 Fire Extinguishers.**

(1) Portable fire extinguisher use, training and maintenance must be in accordance with OAR Chapter 437, Division 2, Subdivision L, Fire Protection.

(2) Fire extinguishers or protection systems must be of a type approved by a nationally recognized testing laboratory (NRTL) (see OAR 437, Division 2/A, §1910.7, for definition of NRTL).

(3) There must be an approved fire extinguisher with a minimum rating of 1A:10BC (or equivalent) on each vehicle and machine, or the area where the vehicles and machines are operated.

(4) After July 1, 2007, fire extinguishers provided on each vehicle and machine must be 2A:10BC or provide equivalent protection.

(5) Fire extinguishers must be fully charged and maintained in operable condition.

(6) Portable extinguishers must be visually inspected monthly.

(7) Portable extinguishers must have an annual maintenance check.

**NOTE:** Stored pressure extinguishers do not require an internal examination.

(8) The annual maintenance check date must be recorded and this record must be retained for one year.

(9) Each motor vehicle used for transporting explosive materials must be equipped with fire extinguishers as follows:

(a) Vehicle less than 14,000 pounds must have at least two extinguishers having a combined capacity of 4A:20BC.

(b) Vehicle 14,000 pounds or greater and tractor/semi-trailer units must have at least two extinguishers having a combined capacity of 4A:70BC.

**Stat. Auth.:** ORS 654.025(2) and 656.726(4).

**Stats. Implemented:** ORS 654.001 through 654.295.

**Hist:** OR-OSHA Admin. Order 5-2003, f. 6/02/03, ef. 12/01/03.

# EXPLOSIVES & BLASTING AGENTS

# E

## **437-007-0415 Explosives and Blasting Agents.**

(1) The storage, transportation, handling, and use of explosives and blasting agents must be in accordance with OAR Chapter 437, Division 3, Subdivision U, Blasting and The Use of Explosives.

(2) Explosives and blasting agents must be handled only by qualified, designated personnel.

(3) Explosives and blasting agents must not be transported in:

(a) The driver's compartment.

(b) Any passenger-occupied area of a machine or vehicle.

(4) Explosives must not be hauled on any vehicle while it is engaged in transporting workers.

**EXCEPTION:** This rule does not prohibit the driver and one qualified person from riding in a vehicle in which explosives are being hauled.

**Stat. Auth.:** ORS 654.025(2) and 656.726(4).

**Stats. Implemented:** ORS 654.001 through 654.295.

**Hist:** OR-OSHA Admin. Order 5-2003, f. 6/02/03, ef. 12/01/03.