

**WAC 296-155-77135 Hoisting engines.** (1) All gearing on hoisting engines must be enclosed. Steam piping subject to contact must be insulated and if electrical equipment is used, it must be grounded.

(2) Hoisting engines must be of ample capacity and equipped with brakes capable of sustaining 150% of rated load for stopping and sustaining the maximum load in any position.

(3) You must protect hoisting engines against the weather and falling objects by a substantial cover.

(4) You must frequently inspect all hoisting equipment, and keep brakes, gears and operating levers in working condition.

(5) You must provide guards to prevent persons coming in contact with hoisting cables.

(6) You must keep brake drums free of oil or grease.

(7) You must use a positive operated pawl in addition to the brake to hold the load when it is suspended. Counter weight operated dogs are prohibited.

(8) You must not set up hoisting engines in the street when it can be avoided; but, if so located, they must be completely housed.

(9) Only competent personnel must operate material hoists.

(10) The operator must not lift a load when a person is on the hoist, and all towers must be posted to that effect, except as provided in other sections of this part.

(11) You must notify the operator when any person goes up the tower ladder, or before any work is done on any part of the tower, overhead work, hoist or in the pit.

(12) The operator must make daily inspections of all equipment before starting operations.

(13) When the hoisting engine is located close to the building operation, you must cover it with a strong plank roof covering to protect the operator from falling objects.

(14) You must discharge exhaust steam pipes overhead so as not to obstruct the view of the operator or scald persons.

(15) In the operation of hoists, the operator must always give a warning sign or signal before starting.

(16) When hoisting machinery is set on an elevated platform such platform must be of substantial construction and standard guard rails and toeboards must be provided along all open sides of the platform.

(17) Material hoists of more than one drum capacity must be equipped with brake controls.

(18) A safety strap must be provided on the foot block of all hoists.

(19) When electric motors are used for hoisting equipment, they must be operated only by qualified personnel.

(a) Installations must be made in accordance with provisions of local and national electrical safety codes, and must be made by experienced workers only.

(b) You must always use enclosed switches and fuses.

(c) You must screen switchboards, and place a sign warning unauthorized persons to keep clear.

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, 49.17.060. WSR 16-09-085, § 296-155-77135, filed 4/19/16, effective 5/20/16. Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, 49.17.440, 49.17.060, and 29 C.F.R. 1926, Subpart CC. WSR 12-01-086, § 296-155-77135, filed 12/20/11, effective 2/1/12.]