

WAC 296-870-70035 Hoisting machines. (1) You must make sure suspended or supported equipment is raised or lowered only by a hoisting machine.

(2) You must make sure each hoisting machine is all of the following:

(a) Powered only by air, electric, or hydraulic sources;

(b) Capable of raising or lowering one hundred twenty-five percent of the rated load of the hoist;

(c) Able to arrest any overspeed descent of the load.

(3) You must make sure the stall load of any hoist motor is not more than three times its rated load.

(4) You must make sure any component of a hoisting machine that needs to be lubricated for protection or proper functioning has means provided to apply the lubricant.

(5) You must make sure winding drums, traction drums and sheaves, and directional sheaves used in conjunction with hoisting machines are compatible with, and sized for, the wire rope used.

(6) You must make sure each winding drum:

(a) Has a positive means to attach the wire rope to the drum; and

(b) The attachment can develop at least four times the rated load of the hoist.

(7) You must make sure each hoisting machine is provided with a primary brake that is all of the following:

(a) Capable of stopping and holding not less than one hundred twenty-five percent of the lifting capacity of the hoist;

(b) Directly connected to the drive train of the hoisting machine without using belts, chains, clutches, or set screw type devices;

(c) Automatically set when power to the prime mover is interrupted.

(8) You must make sure each hoisting machine is provided with at least one independent secondary brake that is all of the following:

(a) Capable of stopping and holding not less than one hundred twenty-five percent of the lifting capacity of the hoist;

(b) An automatic emergency type of brake that, if; actuated during each stopping cycle, does not engage before the hoist is stopped by the primary brake;

(c) Able to stop and hold the platform within a vertical distance of twenty-four inches (609.6 mm) after the brake is actuated.

Reference: Moving parts of a hoisting machine need to be enclosed or guarded as required by another chapter, Machine safety, chapter 296-806 WAC.

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050. WSR 15-23-086, § 296-870-70035, filed 11/17/15, effective 12/18/15. Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, 47.17.060. WSR 06-19-075, § 296-870-70035, filed 9/19/06, effective 1/1/07.]