

WAC 296-155-53700 Mobile cranes—General. (1) All crawler or truck cranes (greater than 2,000 pounds capacity) in use must meet the applicable requirements for design, construction, testing, inspection, maintenance, and operation as prescribed in the ASME B30.5-2007, Safety Standard for Mobile and Locomotive Cranes. It is not the intent of this rule to require retrofitting of existing cranes. However, when an item is being modified, its performance needs to be reviewed by a qualified person and compared to the applicable sections of this rule. For modification requirements see WAC 296-155-53400 (58) and (59). For cranes manufactured prior to the effective date of this rule the design, construction and testing criteria must meet at a minimum, ASME B30.5-1989.

(2) Mobile cranes must have boom stops to provide resistance from backward overturning. Such as:

- A fixed or telescoping bumper;
- A shock absorbing bumper;
- Hydraulic boom elevation cylinder(s).

(3) Restraints must be provided that will keep the jibs from backward overturning.

(4) Boom angle or radius indicators readable from the operator's station must be provided.

(5) A means must be provided that automatically stops the hoisting of the boom when the boom reaches a predetermined high angle. This can be either:

- A boom hoist disconnect;
- A shutoff;

or

- Hydraulic relief.

(6) A boom length indicator that is readable from the operator's station must be provided for telescopic booms, unless the load rating is independent of the boom length.

(7) Where the ground is soft or uneven, you must use timber, planking, or other suitable material to provide firm foundation and distribute the load.

(8) All welding procedures and welding operator qualifications must be in accordance with ANSI/AWS D14.3 when welding is to be performed on load-sustaining members.

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, 49.17.060. WSR 16-09-085, § 296-155-53700, 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, § 296-155-53700, filed 12/20/11, effective 2/1/12.]