
29 C.F.R. § 1919.71

Unit proof test and examination of cranes.

(a) Unit proof tests of cranes shall be carried out at the following times:

(1) In the cases of new cranes, before initial use and every 4 years thereafter.

(2) In the cases of uncertificated cranes which have been in use, at the time of initial certification and every 4 years thereafter.

(3) After important alterations and renewals and after repairs due to failure of, or damage to major components.

(b) Unit proof load tests of cranes shall be carried out where applicable with the boom in the least stable direction relative to the mounting, based on the manufacturer's specifications.

(c) Unit proof load tests shall be based on the manufacturer's load ratings for the conditions of use and shall, except in the case of bridge type cranes utilizing a trolley, consist of application of a proof load of 10 percent in excess of the load ratings at maximum and minimum radii, and at such intermediate radii as the certifying authority may deem necessary in the circumstances. ^[1] Trolley equipped cranes shall be subject to a proof load of 25 percent in excess of the manufacturer's load rating. In cases of foreign manufacture, the manufacturer's specifications shall be subject to approval by the certifying authority as being equivalent to U.S. practice. The weight of all auxiliary handling devices such as, but not limited to, magnets, hooks, slings, and clamshell buckets, shall be considered part of the load.

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