

481—390.4(89) Preinspection owner or user preparation.

390.4(1) *Preparation of objects.* Each owner or user shall ensure that each object covered by Iowa Code chapter 89 is prepared for inspection pursuant to this rule.

390.4(2) *Confined space and lockout, tagout procedures.*

a. If an object is a non-permit-required confined space or a permit-required confined space, the owner or user must prepare the object for inspection accordingly. Otherwise the inspector will not enter the space.

b. It is the duty of the owner or user to inform any inspector of the owner's or user's confined space entry and lockout, tagout procedures and supply to the inspector all information necessary to assess whether the confined space is safe for entry. It is the right of an inspector to verify any of the information supplied.

c. The owner or user shall have all objects locked and tagged, as applicable, prior to the inspector's entry for inspection or testing.

d. For entry into a permit-required confined space, the owner or user shall provide the necessary equipment such as air monitors and a qualified attendant who has received all the information relevant to the entry.

390.4(3) *Hydrostatic tests.* The owner or user shall prepare for and apply a hydrostatic test, whenever necessary, on the date specified by the inspector, which date will be not less than seven days after the date of notification.

390.4(4) *Boilers.* A boiler shall be prepared for internal inspection in the following manner:

a. Fluid will be drawn off and the boiler washed thoroughly.

b. Manhole and handhole plates, washout plugs and inspection plugs in water columns will be removed as required by the inspector. The furnace and combustion chambers will be thoroughly cooled and cleaned.

c. All grates of internally fired boilers will be removed.

d. Brickwork will be removed as required by the inspector in order to determine the condition of the boiler, header, furnace, supports or other parts.

e. Low-water fuel cutoff controls will be opened or removed to allow for visual inspection.

390.4(5) *Pressure vessels.* The extent of inspection preparation for a pressure vessel will vary. If the inspection is to be external only, advance preparation is not required other than to afford reasonable access to the vessel. For combined internal and external inspections of small vessels of simple construction handling air, steam, nontoxic or nonexplosive gases or vapors, minor preparation is required, including affording reasonable means of access and removing manhole plates and inspection openings. In other cases, preparation includes removing the internal fittings and appurtenances to permit satisfactory inspection of the interior of the vessel if required by the inspector.

390.4(6) *Removal of covering or brickwork to permit inspection.* If the object is jacketed so that the longitudinal seams of shells, drums, or domes cannot be seen, sufficient jacketing, setting wall, or other form of casing or housing shall be removed to permit reasonable inspection of the seams and so that the size of rivets, pitch of the rivets, and other data necessary to determine the safety of the object may be obtained, providing the information cannot be determined by other means. Brickwork shall be removed as required by the inspector in order to determine the condition of the boiler, header, furnace, supports or other parts.

390.4(7) *Improper preparation for inspection.* If an object has not been properly prepared for an internal inspection, or if the owner or user fails to comply with the requirements for hydrostatic tests as set forth in this chapter, the inspector may decline to make the inspection or test, and the inspection certificate will be withheld until the owner or user complies with the requirements.

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