

## § 179.220-24

temperature of the pressurizing medium must not exceed 100 °F. during the test. The container must hold the prescribed pressure for at least 10 minutes without leakage or evidence of distress. Safety relief devices must not be in place when the test is made.

(b) The inner container must be pressure tested before installation within the outer shell. Items which, because of assembly sequence, must be welded to inner container after its installation within outer shell must have their attachment welds thoroughly inspected by a nondestructive dye penetrant method or its equivalent.

(c) Pressure testing of outer shell is not a specification requirement.

[Amdt. 179-9, 36 FR 21343, Nov. 6, 1971]

## § 179.220-24 Tests of pressure relief valves.

Each safety relief valve must be tested by air or gas for compliance with § 179.15 before being put into service.

[Amdt. 179-9, 36 FR 21343, Nov. 6, 1971, as amended at 62 FR 51561, Oct. 1, 1997]

## § 179.220-25 Stamping.

(a) To certify that the tank complies with all specification requirements, each outer shell must be plainly and permanently stamped in letters and figures at least 3/8-inch high into the metal near the center of both outside heads as follows:

	Examples of required stamping
Specifications .....	DOT-115A60W6.
Inner container:	
Material .....	ASTM A240-316L.
Shell thickness .....	Shell 0.167 in.
Head thickness .....	Head 0.150 in.
Tank builders initials .....	ABC.

## § 179.221-1 Individual specification requirements.

In addition to § 179.220, the individual specification requirements are as follows:

DOT specification	Insulation	Bursting pressure (psig)	Minimum plate thickness (inches)	Test pressure (psig)	Bottom outlet	Bottom washout	Reference (179.221-***)
115A60ALW .....	Yes .....	240	3/16	60	Optional.	Optional.	
115A60W1 .....	Yes .....	240	1/8	60	Optional .....	Optional .....	1
115A60W6 .....	Yes .....	240	1/8	60	Optional .....	Optional .....	1

[Amdt. 170-52, 61 FR 28681, June 5, 1996, as amended at 62 FR 51561, Oct. 1, 1997; 66 FR 45390, Aug. 28, 2001]

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	Examples of required stamping
Date of original test .....	00-0000.
Outer shell:	
Material .....	ASTM A285-C.
Tank builders initials .....	WYZ.
Car assembler (if other than inner container or outer shell builders).	DEF.

(b) After July 25, 2012, newly constructed DOT tank cars must have their DOT specification and other required information stamped plainly and permanently on stainless steel identification plates in conformance with the applicable requirements prescribed in § 179.24(a). Tank cars built before July 25, 2012, may have the identification plates instead of or in addition to the head stamping.

[Amdt. 179-9, 36 FR 21343, Nov. 6, 1971, as amended at 77 FR 37986, June 25, 2012]

## § 179.220-26 Stenciling.

(a) The outer shell, or the jacket if the outer shell is insulated, must be stenciled in compliance with AAR Specifications for Tank Cars, appendix C (IBR, see § 171.7 of this subchapter).

(b) Stenciling must be applied on both sides of the outer shell or jacket near the center in letters and figures at least 1½ inches high to indicate the safe upper temperature limit, if applicable, for the inner tank, insulation, and the support system.

[Amdt. 179-9, 36 FR 21343, Nov. 6, 1971, as amended at 68 FR 75763, Dec. 31, 2003]

## § 179.221 Individual specification requirements applicable to tank cars consisting of an inner container supported within an outer shell.