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	Examples of required stamping
Tank builders initials	WYZ.
Car assembler (if other than inner container or outer shell builders).	DEF.

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

§ 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 car tanks consisting of an inner container supported within an outer shell.

§ 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]

Subpart E—Specifications for Multi-Unit Tank Car Tanks (Classes DOT-106A and 110AW)

§ 179.300 General specifications applicable to multi-unit tank car tanks designed to be removed from car structure for filling and emptying (Classes DOT-106A and 110AW).

§ 179.300–1 Tanks built under these specifications shall meet the requirements of §§ 179.300 and 179.301.

§ 179.300–3 Type and general requirements.

(a) Tanks built under this specification shall be cylindrical, circular in cross section, and shall have heads of approved design. All openings shall be located in the heads.

(b) Each tank shall have a water capacity of at least 1500 pounds and not more than 2600 pounds.

(c) For tanks made in foreign countries, a chemical analysis of materials and all tests as specified shall be carried out within the limits of the United States under the supervision of a competent and impartial inspector.

§ 179.300–4 Insulation.

(a) Tanks shall not be insulated.

(b) [Reserved]

§ 179.300–6 Thickness of plates.

(a) For class DOT-110A tanks, the wall thickness after forming of the cylindrical portion of the tank must not be less than that specified in § 179.301 nor that calculated by the following formula:

$$t = \frac{Pd}{2SE}$$

Where:

d = inside diameter in inches;

E = 1.0 welded joint efficiency;

P = minimum required bursting pressure in psig;

S = minimum tensile strength of plate material in p.s.i. as prescribed in § 179.300–7;

t = minimum thickness of plate material in inches after forming.