

(Place) _____

(Date) _____

STEEL TANKS

It is hereby certified that drawings were submitted for these tanks under AAR Application for Approval _____ and approved by the AAR Committee on Tank Cars under date of ____/____/____.

Built for _____ Company

Location at _____

Built by _____ Company

Location at _____

Consigned to _____ Company

Location at _____

Quantity _____

Length (inches) _____

Outside diameter (inches) _____

Marks stamped into tank as required in §179.500-17 are:

DOT-107A****

Note 1: The marked test pressure substituted for the **** on each tank is shown on Record of General Data on Tanks attached hereto.

Serial numbers _____ to _____ inclusive

Inspector's mark _____

Owner's mark _____

Test date _____

Water capacity (see Record of Hydrostatic Tests).

Tare weights (yes or no) (see Record of Hydrostatic Tests).

These tanks were made by process of _____

Steel used was identified as indicated by the attached list showing the serial number of each tank, followed by the heat number.

Steel used was verified as to chemical analysis and record thereof is attached hereto. Heat numbers were stamped into metal. All material was inspected and each tank was inspected both before and after closing in ends; all material accepted was found free from seams, cracks, laminations, and other defects which might prove injurious to strength of tank. Processes of manufacture and heat-treatment of tanks were witnessed and found to be efficient and satisfactory.

Before necking-down ends, each tank was measured at each location prescribed in §179.500-4(c) and minimum wall thickness in inches at each location was recorded; maximum inside diameter in inches at each location was recorded; value of D in inches at each location was calculated and recorded; maximum fiber stress in wall at location showing larger value for

$$(D^2+d^2)/(D^2-d^2)$$

was calculated for 7/10 the marked test pressure and recorded. Calculations were made by the formula:

$$S=[0.7P(D^2-d^2)/(D^2+d^2)]$$

Hydrostatic tests, tensile test of material, and other tests as prescribed in this specification, were made in the presence of the inspector, and all material and tanks accepted were found to be in compliance with the requirements of this specification. Records thereof are attached hereto.

I hereby certify that all of these tanks proved satisfactory in every way and comply with the requirements of Department of Transportation Specification No. 107A****.

(Inspector)

(Signed) _____