ASAE S317 DEC1968 (R2012)
Improving Safety on Enclosed Mobile Tanks for Transporting and Spreading Agricultural Liquids and Slurry

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Proposed by the ASAE Agricultural Safety Committee; approved by the Power and Machinery Division Technical Committee; adopted by ASAE December 1968; revised editorially March 1973; reconfirmed December 1973, December 1975, December 1980, December 1985; revised editorially July 1989; reclassified as a Standard and reconfirmed December 1990; reaffirmed December 1991, December 1996, December 2001, February 2003, February 2008, December 2012.

Keywords: Safety, Spreading, Tanks

1 Purpose and Scope

1.1 This Standard has been developed to provide a guide for uniform practice and is intended to reduce the possibility of personal and public injury during normal servicing and operation of enclosed mobile tanks for transporting and spreading agricultural liquids and slurry.

1.2 This Standard applies to truck-mounted units, self-propelled units, towed units with integral axle, and towed units with single or multiple axle carriage.

2 Definitions

2.1 For the purpose of this Standard the following definitions shall apply:

2.1.1 enclosed mobile tanks: All tanks for transporting and spreading agricultural liquids or slurry in which the material is completely contained and covered, as opposed to open tanks which permit rapid escape of the material if the tank is tipped or suddenly halted.

2.1.2 slurry: A mixture of solids and liquids which will flow as a liquid and create a surge force.

3 Tank Construction

3.1 An enclosed mobile tank shall be so constructed as to prevent its load from leaking or spilling.

3.2 All openings shall be provided with covers and a means of securely fastening thereon.

3.3 Operating instructions shall be appropriately displayed on the tank and in the operator's manual directing the operator to securely fasten covers when transporting on a public road.

4 Weight and Width of Tank Units

4.1 The gross weight and maximum width of an enclosed mobile tank and its appurtenances shall comply with applicable state laws when operated on public highways.

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