ASABE S583.1 AUG2015
Safety for Agricultural Front End Loaders

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This Standard was based on the European Standard EN 12525 and developed as CSA M682-04 with cooperation of ASAE experts and with the intent to become an ASAE standard. Approved by Power and Machinery Division May 2005. Adopted as an ASAE Standard May 2005; reaffirmed January 2010; revised August 2015.

Keywords: Agricultural loaders, Attachment locking device, Attachments, Front end, Hydraulic circuits, Safety, Stability

1 Scope

1.1 This standard specifies safety requirements for the design and construction of agricultural front end loaders (front loaders) designed to be mounted on agricultural wheeled tractors (as defined in ASAE 390.5 sections 3.1.1.1 and 3.1.1.2). The purpose of this standard is to provide a reasonable degree of personal safety for operators and other persons during normal operation and servicing of front loaders on agricultural tractors.

1.2 The extent to which hazards are covered is indicated in the scope of this standard. Symbol references (ANSI/ASABE AD11684:1995) should be used whenever practicable to identify functions or hazards.

2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies unless noted. For undated references, the latest approved addition of the referenced document (including any amendments) applies.


ANSI/ASABE AD11684:1995, Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Safety signs and hazard pictorials — General principles.

ANSI/ASAE S279.17, Lighting and Marking of Agricultural Equipment on Highways

ASAE S304.8, Graphical Symbols for Operator Controls and Displays on Agricultural Equipment

ANSI/ASAE S318.17, Safety for Agricultural Field Equipment

ANSI/ASAE S355.4 OCT2010, Safety Practices for Agricultural Front-end Loaders (under revision)

ANSI/ASAE EP363.2 Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Operator's manual — Content and format

ASAE S390.5, Definitions and Classifications of Agricultural Field Equipment

ASAE EP562, Procedure for Determining Recommended Ballast & Minimum Rear Wheel Tread Settings for Agricultural Tractors with Agricultural Front Loaders

ISO 3767-1, Tractors, machinery for agriculture and forestry, powered lawn and garden equipment—Symbols for operator controls and other displays — Part 1: Common symbols (this ISO has been nationally adopted identically, ASABE/ISO 3767-1:1998)