

ANSI/ASAE S583.2 MAY2020
Safety for Agricultural Front-End Loaders



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Safety for Agricultural Front-End Loaders

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; revised and approved as an American National Standard May 2020.

Keywords: Agricultural loaders, Attachment locking device, Attachments, Front-end loader, 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 tractors, as defined in ANSI/SAE S390.6 (ISO 12934:2013) section 3.1. 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.

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 edition of the referenced document (including any amendments) applies.

ANSI/ASABE AD10448:1994 Agricultural tractors — Hydraulic pressure for implements. This adoption is of the 1994 version of ISO 10448. Users are directed to the most recent ASABE adopted version of this ISO document.

ANSI/ASABE AD11684:1995, Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Safety signs and hazard pictorials — General principles. This adoption is of the 1995 version of ISO 11684. Users are directed to the most recent ASABE adopted version of this ISO document.

ANSI/SAE S279, Lighting and Marking of Agricultural Equipment on Highways

SAE S304, Graphical Symbols for Operator Controls and Displays on Agricultural Equipment

ANSI/SAE S318, Safety for Agricultural Field Equipment

ANSI/SAE S355.5 SEP2015, Safety Practices for Agricultural Front-end Loaders

ANSI/ASABE AD3600:2015, Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Operator's manuals — Content and format. This adoption is of the 2015 version of ISO 3600. Users are directed to the most recent ASABE adopted version of this ISO document.

ANSI/SAE S390.6 (ISO 12934:2013), Tractors and machinery for agriculture and forestry — Basic types — Vocabulary. This adoption is of the 2013 version of ISO 12934. Users are directed to the most recent ASABE adopted version of this ISO document.