



Road tank vehicles for dangerous goods

Part 2: Road tank vehicles for flammable liquids



AS 2809.2:2020

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- Australasian Convenience and Petroleum Marketers Association
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- Australia New Zealand Industrial Gas Association
- Australian Industry Group
- Australian Institute of Petroleum
- Australian Trucking Association
- Chemistry Australia
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- EPA NSW
- Gas Energy Australia
- Heavy Vehicle Industry Australia
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Preface

This Standard was prepared by the Standards Australia Committee ME-057, Road Tank Vehicles for Dangerous Goods, to supersede AS 2809.2—2008, *Road tank vehicles for dangerous goods, Part 2: Tankers for flammable liquids*.

The objective of this Standard is to provide designers, planners, operators and regulators with technical requirements for road tank vehicles, as described in the scope of AS 2809.1, that transport flammable liquids, being dangerous goods of Class 3 or having a subsidiary hazard of Class 3 as defined in the Australian Dangerous Goods (ADG) Code.

AS 2809.1 specifies general requirements for all road tank vehicles. Additional specific requirements applicable to particular road tank vehicles are detailed in the appropriate part of the AS 2809 series on road tank vehicles.

The major changes in this edition are as follows:

- (a) Revision of spillage control minimum design requirements.
- (b) Revision of propulsion or auxiliary engine exhaust minimum design requirements.
- (c) Revision of compartment opening dimensions as referenced in AS 2865.
- (d) Duplicate clauses on maintenance and multiple tank types from other parts of the AS 2809 series have been amalgamated in AS 2809.1.
- (e) Terms and definitions have been moved to AS 2809.1 as part of improvements and amalgamation to the AS 2809 series.
- (f) Design and electrical provisions of [Section 2](#) have been revised and moved to AS 2809.1 as part of improvements and amalgamation to the AS 2809 series.

Authorities and regulations may affect the use of this Standard. Conformance with this Standard does not fulfil all legal obligations. Designers, manufacturers and importers have a legal obligation to ensure, so far as is reasonably practicable, that plant and equipment is without risks to health and safety to workers throughout its life.

The term “informative” is used in Standards to define the application of the appendix to which it applies. An “informative” appendix is only for information and guidance.

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Australian Standard®

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Section 1 Scope and general

1.1 Scope

This Standard specifies requirements for the design, construction, inspection and testing of road tank vehicles for the transport of flammable liquids.

1.2 Application

Road tank vehicles for the transport of flammable liquids shall conform with AS 2809.1. Where any requirement of this Standard differs from a similar requirement in AS 2809.1, this Standard shall take precedence.

1.3 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document:

NOTE Documents referenced for informative purposes are listed in the Bibliography.

AS 1210, *Pressure vessels*

AS 2683, *Hose and hose assemblies for distribution of petroleum and petroleum products (excepting LPG)*

AS 2809.1, *Road tank vehicles for dangerous goods, Part 1: General requirements for all road tank vehicles*

AS 2865, *Confined spaces*

AS 3597, *Structural and pressure vessel steel — Quenched and tempered plate*

AS 3990, *Mechanical equipment — Steelwork*

AS 4100, *Steel structures*

AS/NZS 1554.1, *Structural steel welding, Part 1: Welding of steel structures*

AS/NZS 1554.4, *Structural steel welding, Part 4: Welding of high strength quenched and tempered steels*

AS/NZS 1554.6, *Structural steel welding, Part 6: Welding stainless steels for structural purposes*

AS/NZS 1594, *Hot-rolled steel flat products*

AS/NZS 1664.1, *Aluminium structures, Part 1: Limit state design*

AS/NZS 1664.2, *Aluminium structures, Part 2: Allowable stress design*

AS/NZS 1665, *Welding of aluminium structures*

AS/NZS 1734, *Aluminium and aluminium alloys — Flat sheet, coiled sheet and plate*

AS/NZS 1866, *Aluminium and aluminium alloys — Extruded rod, bar, solid and hollow shapes*

AS/NZS 3678, *Structural steel Hot-rolled plates, floorplates and slabs*

AS/NZS 3679.1, *Structural steel, Part 1: Hot-rolled bars and sections*