

AS 2809.5:2022



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Australia



Road tank vehicles for dangerous goods

Part 5: Road tank vehicles for bitumen-based products



AS 2809.5:2022

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- Australian Industry Group
- Australian Institute of Petroleum
- Australian Trucking Association
- Chemistry Australia
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- National Bulk Tanker Association
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Preface

This Standard was prepared by the Standards Australia Committee ME-057, Road Tankers for Hazardous Liquids and Gases to supersede AS 2809.5—2001, *Road tank vehicles for dangerous goods, Part 5: Tankers for bitumen-based products*.

The objective of this document is to provide requirements for the design, construction, inspection and testing of road tank vehicles for the transport of ADG Class 3 and Class 9 bitumen-based products.

The major changes in this edition are as follows:

- (a) Issues common to all hazardous cargoes have been moved to AS 2809.1.
- (b) Issues pertaining to all flammable cargoes have been moved to AS 2809.2.
- (c) New information included for combustion cabin heaters.
- (d) New information included on stowage of hoses and other equipment.
- (e) A new section on heating systems replaces the previous Appendix A.

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Section 1 Scope and general

1.1 Scope

This document specifies requirements for the design, construction, inspection and testing of road tank vehicles for the transport of ADG Class 3 and Class 9 bitumen-based products.

1.2 Application

Road tank vehicles for the transport of bitumen-based products shall conform to AS 2809.1. Where any requirement of this document differs from a similar requirement in AS 2809.1, this document 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 1375, *Industrial fuel-fired appliances*

AS 1596, *The storage and handling of LP Gas*

AS 2475, *Threaded hose connection fittings for bituminous materials*

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

AS 2809.2, *Road tank vehicles for dangerous goods, Part 2: Road tank vehicles for flammable liquids*

AS 2809.4, *Road tank vehicles for dangerous goods, Part 4: Tankers for toxic and corrosive cargoes*

AS 3814, *Industrial and commercial gas-fired appliances*

AS 4041, *Pressure piping*

AS/NZS 1020, *The control of undesirable static electricity*

AS/NZS 1425, *LP Gas fuel systems for vehicle engines*

AS/NZS 1869, *Hose and hose assemblies for liquefied petroleum gases (LP Gas), natural gas and town gas*

AS/NZS 3000, *Electrical installations (known as the Australian/New Zealand Wiring Rules)*

AS/NZS 3008.1.1, *Electrical installations—Selection of cables, Part 1.1: Cables for alternating voltages up to and including 0.6/1 kV—Typical Australian installation conditions*

AS/NZS 3100, *Approval and test specification—General requirements for electrical equipment*

AS/NZS 3509, *LP Gas fuel vessels for automotive use*

EN 14025, *Tanks for the transport of dangerous goods - Metallic pressure tanks - Design and construction*