

Australian Standard™

LP Gas fuel systems for marine engines

This Australian Standard was prepared by Committee ME-046, Gas Fuel Systems for Vehicle Engines. It was approved on behalf of the Council of Standards Australia on 30 April 2002 and published on 10 May 2002.

The following interests are represented on Committee ME-046:

Australian Automobile Association
Australian Chamber of Commerce and Industry
The Australian Gas Association
Australian Industrial Truck Association
Australian Liquefied Petroleum Gas Association
Box Hill Institute of TAFE
Department of Administrative and Information Services, S.A.
Department of Mines and Energy, Qld
Department of Industries & Business, N.T.
Department of Industry, Science and Resources (Commonwealth)
Department of Transport, S.A.
Department of Urban Services, A.C.T.
Federal Chamber of Automotive Industries
Institution of Engineers, Australia
Motor Traders Association of N.S.W.
Motor Trades Association of Australia
Office of Energy, W.A.
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Victoria Police
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Additional interest participating in the preparation of this Standard:

Waterways Authority, N.S.W.

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Australian Standard™

**LP Gas fuel systems for
marine engines**

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME-046, Gas Fuel Systems for Vehicle Engines, to provide a Standard for the installation, inspection, testing, commissioning and certification of LP Gas fuel systems for marine engines.

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee ME-046. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

This Standard was based on AS/NZS 1425:1999, *LP Gas fuel systems for vehicle engines* and has been modified to meet the needs of marine engines.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

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STANDARDS AUSTRALIA

Australian Standard LP Gas fuel systems for marine engines

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE AND APPLICATION

1.1.1 Scope

This Standard specifies the requirements for liquefied petroleum gas (LP Gas) fuel systems for marine engines for either the propulsion of the craft or for powering auxiliary engines.

This Standard is not intended to override any requirements of IMO (International Marine Organisation), SOLAS (Safety Of Life At Sea) or any classification society rules.

This Standard does not apply to LP Gas systems for appliances.

NOTE: State and Territory marine and energy supply authorities may specify additional requirements relating to the LP Gas as the source of fuel.

1.1.2 Application

This Standard shall be read as defining the minimum requirement of acceptability.

The relevant authority having jurisdiction may determine the extent of application of this Standard.

1.2 OBJECTIVE

The objective of this Standard is to provide requirements for the design and construction of component parts, and for their installation in marine craft, and for tests, commissioning, and periodic inspection.

1.3 REFERENCED DOCUMENTS

A list of the Standards referred to in this Standard is given in Appendix A.

1.4 NEW DESIGNS AND INNOVATIONS

Any alternative materials, equipment, designs, method of assembly or procedures, which do not comply with the specific requirements of this Standard, or are not mentioned in it, but which given equivalent results to those specified, may be acceptable. Under such conditions the regulatory authority can give advice on the procedure for approval.

1.5 DEFINITIONS

For the purpose of this Standard, the definitions below apply.

1.5.1 Approved, approval

Approved by or approval of the regulatory authority.

1.5.2 Authorized person

A person qualified, authorized or licensed by the relevant Australian or State body to install or service LP Gas equipment in marine craft. (See also Clause 1.5.23.)