

AS/NZS 2739:2009

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Australian/New Zealand Standard™

Natural gas (NG) fuel systems for vehicle engines



AS/NZS 2739:2009

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee ME-046, Gas Fuel Systems for Vehicle Engines. It was approved on behalf of the Council of Standards Australia on 4 November 2008 and on behalf of the Council of Standards New Zealand on 25 February 2009.
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The following are represented on Committee ME-046:

Australian Automobile Association
Australian Industrial Truck Association
Department for Transport, Energy and Infrastructure, SA
Department of Mines and Energy, Qld
Energy Safety, WA
Engineers Australia
Federal Chamber of Automotive Industries
Gas Association of New Zealand
International Association for Natural Gas Vehicles
New Zealand Transport Agency
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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 supersede AS/NZS 2739:2003, *Natural Gas (CNG) fuel systems for vehicle engines*.

This edition introduces requirements for the installation of equipment used in fuelling engines with Liquefied Natural Gas (LNG). The term Compressed Natural Gas (CNG) has been removed from the title of this Standard so as to allow the introduction of LNG alongside CNG.

The document has been restructured to facilitate the introduction of LNG requirements alongside the requirements of CNG and a new section dealing exclusively with LNG.

The requirement for the maximum working operating pressure of 20 MPa for CNG containers has been removed to allow for the latest designs in container specifications. The Installation Compliance Plate requirement has been modified for consistency with AS/NZS 1425, *LP Gas fuel systems for vehicle engines*.

The 2003 edition had been expanded to include engine exhaust emission testing and acceptance of components complying with ISO 15500, Parts 1 to 20 and ECE R110. This Standard further incorporates changes to the requirements of exhaust emissions, which are simplified and include requirements for both CNG and LNG fuelled engines.

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

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