

Australian Standard[®]

Working areas for gas-fuelled vehicles



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 17 September 2008.

This Standard was published on 21 October 2008.

The following are represented on Committee ME-046:

- Australian Automobile Association
- Australian Chamber of Commerce and Industry
- Australian Industrial Truck Association
- Department for Administrative and Information Services, SA
- Department for Transport, Energy and Infrastructure, SA
- Department of Natural Resources and Mines, Qld
- Energy Safety, WA
- Federal Chamber of Automotive Industries
- Gas Association of New Zealand
- International Association for Natural Gas Vehicles
- Land Transport Safety Authority, New Zealand
- LPG Association of New Zealand
- LPG Australia
- Motor Trade Association, New Zealand
- Motor Traders Association of NSW
- Motor Trades Association of Australia
- Roads and Traffic Authority of NSW
- TAFE NSW
- Victorian Police

Additional Interests:

- Auckland University
- Australian Bus and Coach Association
- Gas Utilities

This Standard was issued in draft form for comment as DR 07372.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

Keeping Standards up-to-date

Australian Standards® are living documents that reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued.

Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting **www.standards.org.au**

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at **mail@standards.org.au**, or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

AS 2746—2008

Australian Standard[®]

Working areas for gas-fuelled vehicles

Originated as AS 2746—1985.
Previous edition 1999.
Third edition 2008.

COPYRIGHT

© Standards Australia

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Published by Standards Australia GPO Box 476, Sydney, NSW 2001, Australia

ISBN 0 7337 8932 3

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 2746—1999, *Working areas for gas-fuelled vehicles*. 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.

The principal change in this edition of the Standard is the introduction of workshop safety requirements when dealing with Liquefied Natural Gas (LNG) fuelled engines. The layout and content have been restructured to facilitate the introduction of requirements for working areas containing LNG fuelled vehicles.

This edition introduces a new Appendix E that exclusively deals with LNG fuel unloading methods as an addition to the requirements for CNG and LP Gas. This edition also includes a new requirement for the correct disposal and destruction of Gas Compliance Plates once a vehicle is scrapped.

The Foreword sets out certain fundamental considerations that are the basis from which this Standard was developed.

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.

CONTENTS

	<i>Page</i>
FOREWORD.....	5
 SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	6
1.2 OBJECTIVE	6
1.3 NEW DESIGNS AND INNOVATIONS	6
1.4 REFERENCED DOCUMENTS	6
1.5 DEFINITIONS	7
 SECTION 2 GENERAL SERVICE WORKING AREAS	
2.1 APPLICATION	9
2.2 PREMISES	9
2.3 PREVENTION OF OVERHEATING	9
 SECTION 3 GAS LEAKAGE PROCEDURES	
3.1 APPLICATION	10
3.2 PROCEDURES	10
 SECTION 4 SPECIALIST GAS WORKING AREAS—LP GAS	
4.1 APPLICATION	11
4.2 PERSONNEL	11
4.3 EQUIPMENT	11
4.4 PREMISES	11
4.5 VENTILATION	11
4.6 INCREASED HAZARD.....	12
4.7 WORK ON THE CONTAINER AND FITTINGS.....	12
4.8 WORK ON THE GAS FUEL SYSTEM.....	12
4.9 FUEL UNLOADING.....	13
4.10 CONTAINER PURGING.....	13
4.11 PURGING INTO SERVICE.....	13
4.12 STORAGE OF UNPURGED CONTAINERS	13
4.13 DECOMMISSIONING AND SCRAPPING	13
 SECTION 5 SPECIALIST GAS WORKING AREAS—CNG AND LNG	
5.1 APPLICATION	15
5.2 PERSONNEL	15
5.3 EQUIPMENT	15
5.4 PREMISES	15
5.5 VENTILATION	16
5.6 INCREASED HAZARD.....	16
5.7 WORK ON THE CONTAINER AND FITTINGS.....	17
5.8 WORK ON THE GAS FUEL SYSTEM.....	17
5.9 FUEL UNLOADING.....	17
5.10 STORAGE OF UNPURGED CONTAINERS	17
5.11 DECOMMISSIONING AND SCRAPPING	17

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-