Australian/New Zealand Standard™

Diesel engine systems for underground coal mines

Part 2: Explosion protected





AS/NZS 3584.2:2003

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee ME-018, Mining Equipment. It was approved on behalf of the Council of Standards Australia on 23 May 2003 and on behalf of the Council of Standards New Zealand on 22 May 2003. It was published on 15 July 2003.

The following are represented on Committee ME-018:

Australasian Institute of Mining and Metallurgy
Australian Chamber of Commerce and Industry
Australian Coal Association
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Chamber of Minerals and Energy of Western Australia
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME-018, Mining Equipment, to supersede AS 3584—1991, *Diesel engine systems for underground coal mines*.

The objective of this Standard is to promote the safety of explosion-protected diesel engine systems that are used underground in coal mines.

This Standard is one of the following series of Standards:

AS/NZS

3584 Diesel engine systems for underground coal mines

Part 1: Fire protected (being developed)

3584.2 Part 2: Explosion protected (this Standard)

Part 3: Maintenance (being developed)

This edition allows for the implementation of new technology in diesel engine systems, including the use of dry exhaust systems, limiting the emission of diesel aerosol particulates and generally reducing the emission of pollutants. New measures have been included to provide a greater assurance of safety by preventing the propagation of an internal explosion. Its emphasis is to facilitate the implementation of new technology resulting in the increased operational safety of diesel engine systems.

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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