Australian/New Zealand Standard™

Diesel engine systems for underground coal mines

Part 3: Maintenance

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AS/NZS 3584.3:2012

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 17 January 2012 and on behalf of the Council of Standards New Zealand on 20 October 2011.
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The following are represented on Committee ME-018:

    Australasian Institute of Mining and Metallurgy
    Australian Chamber of Commerce and Industry
    Australian Industry Group
    Construction and Mining Equipment Industry Group
    Department of Industry and Investment NSW
    Department of Labour New Zealand
    Department of Mines and Energy (Qld)
    Engineers Australia
    MinEx Health and Safety Council New Zealand
    Mining Electrical and Mining Mechanical Engineering Society

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This Standard was issued in draft form for comment as DR AS/NZS 3584.3.

AS/NZS 3584.3:2012

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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/NZS 3584.3:2005.

This Standard is part of a series on diesel engine systems for underground coal mines, as follows:

AS/NZS
3584   Diesel engine systems for underground coal mines
3584.1   Part 1:   Fire protected—Heavy duty
3584.2   Part 2:   Explosion protected
3584.3   Part 3:   Maintenance (this Standard)

The objective of this Standard is to control risks to the health and safety of people from the use of diesel engine systems in underground coal mines by providing requirements and guidance for maintaining the safety and integrity of diesel engine systems.

The objective of this revision is to respond to numerous incidents in underground coal mines where maintenance has been a contributing factor, by providing further guidance for additional requirements and maintenance processes.

Major changes to this revision are as follows:

(a)   Additional requirements for establishing maintenance management systems.

(b)   Additional requirements for maintenance procedures.

(c)   New section covering marking and traceability.

(d)   New option for overhaul, Code D examination or repairs to be done in recognized service facilities (see Appendix A).

(e)   New guidance for competence and training (see Appendix B).

(f)   Additional recommendations for coded maintenance (see Appendix E).

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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