

Australian/New Zealand Standard™

**Diesel engine systems for underground
coal mines**

Part 1: Fire protected—Heavy duty



AS/NZS 3584.1:2008

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee ME-018, Underground Coal Diesel Engine Systems. It was approved on behalf of the Council of Standards Australia on 19 April 2007 and on behalf of the Council of Standards New Zealand on 27 April 2007.
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The following are represented on Committee ME-018:

Australian Institute of Mining and Metallurgy
Australian Chamber of Commerce and Industry
Australian Industry Group
Department of Consumer and Employment Protection (WA)
Department of Labour New Zealand
Department of Mines and Energy (Qld)
Engineers Australia
NSW Department of Primary Industries, Mineral Resources

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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 3584.1:2005.

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

This Standard is one of the following series of the standards:

AS/NZS

- 3584 Diesel engine systems for underground coal mines
- 3584.1 Part 1: Fire protected (this Standard)
- 3584.2 Part 2: Explosion protected
- 3584.3 Part 3: Maintenance

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. This edition facilitates the use of electronically managed diesel engine systems. Its emphasis is to facilitate the implementation of new technology resulting in the increased operational safety of diesel engine systems.

Statements expressed in mandatory terms in notes to tables are deemed to be requirements of this Standard.

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>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	5
1.2 APPLICATION	5
1.3 REFERENCED DOCUMENTS	6
1.4 DEFINITIONS	7
SECTION 2 DESIGN AND CONSTRUCTION	
2.1 DESIGNATED SAFE AREA BARRIER	10
2.2 METHANE DETECTION	10
2.3 FIRE SUPPRESSION	10
2.4 ENGINE TYPES	10
2.5 CONDITION MONITORING	11
2.6 SURFACE TEMPERATURE	11
2.7 ABNORMAL COMBUSTION	11
2.8 MATERIALS	11
2.9 VEE-PULLEYS	11
2.10 ENGINE BREATHER	11
2.11 STARTING AIDS	12
2.12 FUEL SYSTEMS	12
2.13 AIR INLET SYSTEMS	12
2.14 AIR COMPRESSORS	12
2.15 COOLING SYSTEMS	12
2.16 ENGINE SHUTDOWN SYSTEMS	13
2.17 EXHAUST	15
2.18 ELECTRICAL SYSTEMS	19
SECTION 3 MARKING	
3.1 COMPLIANCE PLATE	20
3.2 WARNING LABELS	21
SECTION 4 TESTING	
4.1 TYPE TESTING	22
4.2 MODIFIED COMPONENTS	23
4.3 INSTALLED TESTS BY THE DIESEL ENGINE SYSTEM MANUFACTURER ...	23
4.4 ROUTINE COMMISSIONING TESTS BY THE DIESEL ENGINE SYSTEM MANUFACTURER	23
4.5 USE OF LOW EMISSION FUEL	24
4.6 MANAGEMENT SYSTEM	24
SECTION 5 DOCUMENTATION	
5.1 DOCUMENTATION TO BE SUPPLIED	25
5.2 GENERAL ARRANGEMENT DRAWINGS	26
APPENDICES	
A MEANS FOR DEMONSTRATING COMPLIANCE WITH THIS STANDARD	29
B DETERMINING LOAD SPEED CHARACTERISTICS	30
C DETERMINING CONSTITUENTS OF EXHAUST GAS	34
D DETERMINING GASEOUS EMISSION LEVELS	40

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