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**SANS 868-3-2:2012**

Edition 1

## **SOUTH AFRICAN NATIONAL STANDARD**

**Compression-ignition engine systems and machines powered by such engine systems, for use in mines and plants with explosive gas atmospheres or explosive dust atmospheres or both**

**Part 3-2: Hazardous locations on surface —  
Explosion-protected engine systems**

**WARNING — Can only be used  
in conjunction with  
SANS 868-3-1.**

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### Table of changes

Change No.	Date	Scope

## Foreword

This South African standard was prepared by National Committee SABS/TC 065, *Explosion prevention*, in accordance with procedures of the South African Bureau of Standards, in compliance with annex 3 of the WTO/TBT agreement.

This document was published in February 2012.

Reference is made in the note to 1.1 to the "relevant national legislation". In South Africa, this means either the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) or the Mine Health and Safety Act, 1996 (Act No. 29 of 1996).

SANS 868 consists of the following parts under the general title, *Compression-ignition engine systems and machines powered by such engine systems, for use in mines and plants with explosive gas atmospheres or explosive dust atmospheres or both*:

*Part 1-1: Hazardous locations in underground mines – Basic explosion protected engines.*

*Part 1-2: Hazardous locations in underground mines – Explosion protected engine systems.*

*Part 1-3: Hazardous locations in underground mines – Machines.*

*Part 3-1: Hazardous locations on surface – Basic explosion-protected engines.*

*Part 3-2: Hazardous locations on surface – Explosion-protected engine systems.*

*Part 3-3: Hazardous locations on surface – Machines.*

*Part 4: Non-hazardous locations in underground coal mines.*

Annex A is for information only.

**Compliance with this document cannot confer immunity from legal obligations.**

<p><b>Reaffirmed and reprinted in December 2017. This document will be reviewed every five years and be reaffirmed, amended, revised or withdrawn.</b></p>
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