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## **Inlet air cleaning equipment for internal combustion engines and compressors — Performance testing**

*Séparateurs aérauliques placés à l'entrée des moteurs à combustion  
interne et des compresseurs — Détermination des performances*



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## Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 34, *Propulsion, powertrain and powertrain fluids*.

This fourth edition cancels and replaces the third edition (ISO 5011:2014), which has been technically revised. It also incorporates the Amendment ISO 5011:2014/Amd.1:2018. The main changes compared to the previous edition are as follows:

- added a validation procedure for verifying efficiency measurements;
- revised recommended ISO dust injector table;
- added formula for precleaner efficiency method;
- removed requirement for secondary element collapse test;
- added [Annex H](#) (Penetration sensitivity);
- added a new dust injector.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).