
**Reciprocating internal combustion
engines — Vocabulary of components
and systems —**

Part 12:
Exhaust emission control systems

*Moteurs alternatifs à combustion interne — Vocabulaire des
composants et des systèmes —*

Partie 12: Systèmes de contrôle des émissions de gaz d'échappement



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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).

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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.

This document was prepared by Technical Committee ISO/TC 70, *Internal combustion engines*.

This second edition cancels and replaces the first edition (ISO 7967-12:2014), which has been technically revised.

The main changes are as follows:

- the editorial form of the text has been updated;
- the normative references have been updated;
- new terms have been added;
- the terms and definitions have been modified;
- inappropriate words or expressions have been revised;
- a bibliography has been added.

A list of all parts in the ISO 7967 series can be found on the ISO website.

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.

Reciprocating internal combustion engines — Vocabulary of components and systems —

Part 12: Exhaust emission control systems

1 Scope

This document establishes a vocabulary for emission control systems of reciprocating internal combustion engines.

In this document, the terms are classified as follows:

- a) exhaust emission matter;
- b) exhaust emission control systems and devices;
- c) parameters for exhaust emission control systems.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1 Exhaust emission matter

3.1.1

exhaust emission

pollutants contained in the exhaust gas from internal combustion engines or phenomenon of emitting such pollutants

3.1.2

particulate matter

PM

particulates

material collected on a specified filter medium after diluting exhaust with clean filtered air to a specific temperature, primarily carbon, condensed hydrocarbons and sulphates with associated water

Note 1 to entry: For details see ISO 8178-1:2020, 3.26 and 8.1.4.

3.1.3

total suspended particulate (matter)

TSP

particulate matter (3.1.2) with a diameter less than 100 micrometres