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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 6809.7-2009

Replacing GB/T 6809.7-2005

**Reciprocating internal combustion engines -- Vocabulary of
components and systems -- Part 7: Governing systems**

往复式内燃机 零部件和系统术语 第7部分：调节系统

(English Translation)

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Foreword

GB/T 6809 "Reciprocating internal combustion engine components and systems" is divided into nine sections.

- Part 1. Structure and external covers;
- Part 2. Valves, camshaft drive and actuating mechanisms;
- Part 3. The main moving parts;
- Part 4. Pressure charging and exhaust systems;
- Part 5. Cooling system;
- Part 6. Lubricating systems;
- Part 7. Governing systems;
- Part 8. Starting systems;
- Part 9. monitoring system.

This is Part 7 GB/T 6809's.

This part identical with ISO 7967-7:2005 "Reciprocating internal combustion engine components and systems - Vocabulary - Part 7. Governing systems" (English Chinese

Version).

This section is equivalent translation ISO 7967-7:2005.

For ease of use, this section made the following editorial changes.

--- "This International Standard" be replaced by "this section";

--- Deleted international standards foreword;

--- To ISO 7967-7:2005 and other international standards referenced with the international standard has been adopted as the standard instead of the corresponding country.

This part is GB/T 6809.7-2005 "Reciprocating internal combustion engine components and systems - Part 7. Governing systems" amendments.

Compared with GB/T 6809.7-2005, part of the main changes are as follows.

--- Terminology and definitions have been rearranged;

--- Additions and modifications to some of the terms and definitions.

This part is proposed by China Machinery Industry Federation.

This part of the internal combustion engine by the National Standardization Technical Committee (SAC/TC177) centralized.

1 Scope

GB/T 6809 provisions of this part of the reciprocating internal combustion engine regulation system related terms.

GB/T 6809 This section relates to the reciprocating internal combustion engine speed regulation system, based on other parameters (such as torque, temperature and Load) of the regulation system, can be defined to provide the basis for this.

GB/T 1883 is given a classification reciprocating internal combustion engine, and sets out the basic terms of this engine and its operating characteristics.

Note: The term is usually applied to the governor mounted on the engine speed of a single element or of several parts of the control system.

2 Normative references

The following documents contain provisions which, through reference to GB/T 6809 to the present, constitute provisions of this section. For dated references, all subsequent amendments (excluding corrections) or revisions do not apply to this section, however, encourage an agreement under this section Parties to study the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 1883.1 Reciprocating internal combustion engines - Vocabulary - Part 1. engine design and operation (GB/T 1883.1-2005, ISO 2710-1:2000, IDT) GB/T 1883.2 Reciprocating internal combustion engines - Vocabulary - Part 2. Terms for engine maintenance (GB/T 1883.2-2005, ISO 2710-2:1999, IDT) GB/T 6072.6-2000 Reciprocating internal combustion engines - Part 6. overspeed protection (idt ISO 3046-6:1990)

3 Terms and Definitions

The following terms and definitions apply GB/T 6809 to the present section.

3.1 General Definitions

No. Definition

3.1.1 Engine governor

By setting the actual speed and the speed ratio of the amount of fuel, the engine input be amended to adjust the actual engine speed to approach the speed setting Equipment

3.1.2 Speed Parts

Use according to the type and the required adjustment, adjustable governor set point means

NOTE: The set point adjustment can be used.

a) manually.

b) automatically according to a specific control system requirements be modified in the following manner.

--- Sustained; or

--- Step by step or complete.

The governor set point can be within the scope of the following ways by adjusting the speed control member change.

--- Manual (as governor lever, pedals);

---pneumatic;

--- Hydraulic;

--- Electric (e.g. solenoid valves, motor).

GB/T 6809.7-2009/ISO 7967-7:2005