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

GB/T 6072.1-2008

Replacing GB/T 6072.1-2000

**Reciprocating internal combustion engines -- Performance -- Part 1:
Declarations of power, fuel and lubricating oil consumptions and test
methods -- Additional requirements for engines for general use**

往复式内燃机 性能 第1部分：功率、燃料消耗和机油消耗的标定及试验方法 通用
发动机的附加要求

(English Translation)

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Foreword

GB/T 6072 in "reciprocating internal combustion engine performance," the general title, consists of the following components.

--- Part 1. power, fuel and lubricating oil consumptions additional requirements and test methods for universal calibration engine;

--- Part 3. Test measurements;

--- Part 4. Speed;

--- Part 5. Torsional vibrations;

--- Part 6. overspeed protection.

This part of GB/T 6072 Part 1.

This part identical with ISO 3046-1:2002 "Reciprocating internal combustion engines - Performance - Part 1. power, fuel and lubricating oil consumption Additional requirements and test methods for calibration of universal engine "(in English).

This section is equivalent translation ISO 3046-1:2002.

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

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

--- Instead of using the decimal point as a decimal point ", ". ";

--- Deleted international standards foreword;

--- This part of ISO 3046-1:2002 and other international standards referenced in our country who have been adopted as a standard by our standards on behalf of the for the corresponding international standards; our country has not been adopted as a standard, still refer directly to international standards.

This section is amended to GB/T 6072.1-2000's. This portion of the GB/T 6072.1-2000 main difference is.

--- Write format and the "core" standard GB/T 21404-2008 remains the same.

--- Terminology and symbols according to GB/T 21404-2008 requirements.

Test Method --- power calibration, power correction method and test report according to GB/T 21404-2008 requirements.

--- Increasing the power code marking methods and examples.

--- Remove the original Appendix D "non-adjustment of the engine (preset given engine) power correction calculation example." as part of the GB/T 21404-2008 "identifying and measuring method of internal combustion engine power - General requirements" and "satellite" Standard Associate prescribe additional requirements for engines for general use.

Appendix A of this section is normative appendix, Appendix B, Appendix C and Appendix D is an informative annex.

This part is proposed by China Machinery Industry Federation.

This part of the National Standardization Technical Committee under the jurisdiction of the internal combustion engine.

Introduction

GB/T 6072 This section identifies ISO engine power measurement standards in a "satellite" standard. Application of the standards bodies Department to avoid the disadvantage of many plausible ISO standard engine power in terms of definition and determination. The standard system uses the "nuclear Heart "and" Satellite "standard concept.

"Core" standard GB/T 21404 (ISO 15550) requirements for a variety of purposes including joint engine, but as a "satellite" standard GB/T 6072 This section is included within the scope of Chapter 1 for a particular purpose engine power measurement and calibration requirements that must be met.

GB/T 6072 and is to this part of the "core" standard GB/T 21404 (ISO 15550) together with comprehensive regulations for a particular purpose launch Machine requirements. Therefore, the file "satellite" is not a standard that can exist alone, but to and the "core" standard GB/T 21404 Requirements (ISO 15550) as specified together to form a complete standard.

For ease of use, the structure in the form of "core" standards and "satellites" are identical to the standard preparation.

The advantage of using this method is that, when the same or a similar engine for different purposes, can be more rational use of standards, and to Ensure that all criteria to achieve harmonization in the revision process.

Must comply with the classification rules for ships and offshore installations engines, shall comply with the additional requirements of classification societies. Before ordering customer should Indicate the relevant classification society.

On the ungraded engine, additional requirements by the manufacturer and the customer agreed.

Shall meet such other administrative departments (such as the detection and/or legislative bodies) regulations of the special requirements of the customer before the order should indicate the competent department.

Any further additional requirements shall be mutually agreed between the manufacturer and the customer.

GB/T 6072.1-2008/ISO 3046-1:2002 Reciprocating internal combustion engines - Performance - Part 1. Power, Calibration and test methods of fuel consumption and lubricating oil consumption Additional requirements for engines for general use

1 Scope

GB/T 6072 in addition to this section must meet the "core" of the basic requirements of the standard GB/T 21404 stipulated, but also provides power, fuel Calibration and test methods for consumption and lubricating oil consumption.

GB/T 6072 in line with the provisions of this part of the "core" standard GB/T 21404 requirements for engine power code, so that it can, if necessary, Simplified representation of power and ease of communication. This is applicable to such an engine nameplate power.

GB/T 6072 This section applies to land use, marine and rail traction reciprocating internal combustion engines. This section is also applicable to the road construction machinery and Earthmoving machinery, trucks and other uses of the engine is currently no suitable standard can be used.

This section "Satellite" standard, only with the "core" standard GB/T 21404 used together, in order to fully mobilize the provisions of a particular purpose Technical condition of the machine.

2 Normative references

The following documents contain provisions which, through reference to GB/T 6072 to the present, constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 726-1994 reciprocating internal combustion engine rotation direction, the cylinder head and cylinder valves in-line internal combustion engine and the right machine, Left and engines orientation defined (idt ISO 1204:1990) GB/T 6072.4-2000 Reciprocating internal combustion engines - Part 4. Speed \u200b\u200b(idt ISO 3046-4:1997) GB/T 6072.6-2000 Reciprocating internal combustion engines - Part 6. overspeed protection (idt ISO 3046-6:1990) GB/T 21404-2008 and measuring methods for determining internal combustion engine power - General requirements (ISO 15550:2002, IDT)

3 Terms and Definitions

GB/T 6072 this part of the terms and definitions in Table GB/T 21404 given in Fig.

Table 1 Terms and Definitions

the term

definition