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

GB/T 14092.6-2009

Replacing GB/T 14092.6-1993

Environmental condition for machinery products - Mine

机械产品环境条件 矿山

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Foreword

GB/T 14092 "Machinery Products Environmental Conditions" includes the following seven sections.

- GB/T 14092.1 machinery products humid environmental conditions;
- GB/T 14092.2 machinery products cold environmental conditions;
- GB/T 14092.3 machinery products environmental conditions of high altitude;
- GB/T 14092.4 environmental conditions of marine machinery products;
- GB/T 14092.5 environmental conditions of industrial machinery products of corrosion;
- GB/T 14092.6 mining machinery products environmental conditions;
- GB/T 14092.7 machinery products environmental conditions dry heat. This section GB/T Part of 614,092. This Part replaces GB/T 14092.6-1993 "mine machinery products environmental conditions." This section compared with the GB/T 14092.6-1993, mainly to do with the following modifications.
- According to GB/T 1.1-2000 "Standardization Guide Part 1. Structure and rules are written standard" requirements of the grid layout The formula has been modified;
- "This standard" be replaced by "this section";
- For ease of viewing, Table 6 format has been modified;
- FIG. 1, "the first shock of the maximum response spectrum" to "the impact of the first order maximum response spectrum." Appendix A of this section is informative appendix. This part of the National Electrical and Electronic Products Environmental conditions and environmental tests for Standardization Technical Committee (SAC/TC8) and focal points. This section is drafted. Guangzhou Electric Apparatus Research Institute. The main drafters of this section. Liukui Fang, Yang. This part of the standard replaces the previous editions as. GB/T 14092.6-1993. Mining machinery products environmental conditions

1 Scope

GB/T 14092.6-2009 is the Chinese national standard on environmental condition for machinery products - mine, in the field of testing. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 6 May 2009 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 November 2009. Classification: ICS 19.020, CCS A21. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This section provides the machinery in a mine or open spaces encountered environmental parameters and their severities. This section applies to general purpose machinery products used in mines and opencast environmental conditions. Products include exploration dig machinery, lifting machinery, Processing machinery, transport machinery, mining electrical equipment.

2 Normative references

The following documents contain provisions which, through reference

GB/T 14092 in this section 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 4796 Classification of environmental conditions for electric and electronic products - Part 1. Environmental parameters and their severities (GB/T 4796- 2008, IEC 60721-1.2002, IDT)

GB/T 4797.1 electric and electronic products natural environmental conditions of temperature and humidity (GB/T 4797.1-2005, IEC 60721-2-1. 2002, MOD)

GB/T 4797.2 electric and electronic products natural environmental conditions - Part 2. Altitude and air pressure, water depth and water pressure (GB/T 4797.2- 2005, IEC 60721-2-3. 1987, MOD)

GB/T 4798.3 application of electric and electronic products environmental conditions fixed place climate protection using (GB/T 4798.3-2007, IEC 60721-3-3.2002, MOD)

GB/T 4798.4 application of electric and electronic products environmental conditions

without the use of a fixed place of climate protection (GB/T 4798.4-2007, IEC 60721-3-4.1995, MOD)

3 General requirements

3.1 When the product selection criteria specified in this part of the environmental parameters severities can not meet the special requirements of the product according to the actual situation Using GB/T 4796 in the parameter value close thereto listed.

3.2 products in actual use will be subject to the combined effects of a variety of environmental parameters, including condition and symbol. climatic conditions (K), special gas Weather conditions (Z), biological conditions (B), chemically active material conditions (C), mechanically active material conditions (S), the mechanical condition (M). For underground mines Products Mining wells or use shall indicate the type and parameters of various severities said influential environmental conditions.

3.3 Some mines may also exist other environmental factors. Such as underground coal mines there is often explosive material, used in mechanical, electrical Engineering, instrumentation products should meet explosion-proof requirements. If some products suitable for use under certain special conditions, it may not be in the development of product standards listed The special environmental conditions.

3.4 standard in some parameters, not yet quantified the provisions of its severity, but for the typical parameters for qualitative requirements, such as condensation, icing and Frost and so on.

3.5 for weather protected locations (the equivalent of mine with) product, the first digital code before the provisions of its environmental conditions as "3", and for no Weather protected locations (the equivalent of open-pit mine) products, the first digit of its environmental conditions before the code is defined as "4." Its environmental rating code description, for example.