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

GB/T 14093.1-2009

Replacing GB/T 14093.1-1993

**Environmental technical requirements of machinery products
for the warm-damp environments**

机械产品环境技术要求 湿热环境

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Foreword

GB/T 14093 "Environmental technical requirements of machinery products" includes the following seven sections.

--- GB/T 14093.1 Environmental technical requirements of machinery products hot and humid environment

--- GB/T 14093.2 Environmental technical requirements of machinery products cold environment

--- GB/T 14093.3 Environmental technical requirements of machinery products high altitude environment

--- GB/T 14093.4 Environmental technical requirements of machinery products for the industrial corrosion environment

--- GB/T 14093.5 Environmental technical requirements of machinery products dry heat environment

--- GB/T 14093.6 Environmental technical requirements of machinery products Marine Environment

--- GB/T 14093.7 Environmental technical requirements of machinery products mine environment This section GB/T 14093 Part 1. This Part replaces GB/T 14093.1-1993 "Environmental technical requirements of machinery products with a hot and humid environment." This section compared with the GB/T 14093.1-1993, with the following modifications.

--- "This standard" be replaced by "this section";

--- The GB/T 14093.1-1993 of Tables 2 to 14 are combined into one table (Table 2). Appendix A of this section is an informative annex. This part of the National Electrical and Electronic Products Environmental conditions and environmental tests Standardization Committee (SAC/TC8) and focal points. This section is drafted. Guangzhou Electric Apparatus Research Institute. The main drafters of this section. Wu Xueming, Lai Wenjing. This part of the standard replaces the previous editions as. GB/T 14093.1-1993.

Environmental technical requirements of machinery products Hot and humid environment

1 Scope

GB/T 14093.1-2009 is the Chinese national standard on environmental technical requirements of machinery products for the warm-damp environments, 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 a hot and humid environment with climate protection type and environmental conditions, test methods, inspection rules of mechanical products, logos, package Loading, transport, storage and protection requirements. This part is not specified and described by the relevant professional standards should be the product requirements. This section applies to GB/T 4797.1-2005 provisions of general-purpose machinery "humid" climate zone used. Product category package Including farm machinery, internal combustion engines, construction machinery, mining machinery, heavy machinery, material handling equipment, petrochemical general machinery, electrical products, instruments, Machine tools, common parts. For local climatic conditions comply with the provisions of this part of the place for use in products, technology requirements of this section may also apply.

Note. In the "Asian hot potato" region of mechanical products may require the use of environmental technical requirements in the basic product standards. This section does not apply to special environmental conditions, chemical corrosion medium, medium risk of explosion and marine, ships, mines and other humid areas exist By use of the product.

2 Normative references

The following documents contain provisions which, through

GB/T 14093 reference in this text, constitute provisions of this part. 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 2423.2-2008 Environmental testing for electric and electronic products Part 2. Test methods Test B. Dry heat (

IEC 60068-2- 2.2007, IDT)

GB/T 2423.3-2006 Environmental testing for electric and electronic products Part 2. Test methods - Test Cab. Damp heat test (

IEC 60068-2-78.2001, IDT)

GB/T 2423.4-2008 Environmental testing for electric and electronic products Part 2. Test methods - Test Db alternating hot and humid (12h + 12h cycle) (

IEC 60068-2-30.2005, IDT)

GB/T 2423.16-2008 Environmental testing for electric and electronic products Part 2. Test methods - Test J and guidance. Mould growth (

IEC 60068-2-10.2005, IDT)

GB/T 2423.17-2008 Environmental testing for electric and electronic products Part 2. Test methods - Test Ka. Salt (

IEC 60068- 2-11. 1981, IDT)

GB/T 2423.18-2000 Environmental testing for electric and electronic products - Part 2. Tests - Test Kb. Salt mist, cyclic (sodium chloride solution Liquid) (idt IEC 60068-2-52.1996)

GB/T 2423.22-2002 Environmental testing for electric and electronic products Part 2. Test methods - Test N. Temperature change (