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

GB/T 14093.5-2009

Replacing GB/T 14093.5-1997

**Environmental technology requirements of machinery products
for dry heat environments**

机械产品环境技术要求 干热环境

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Foreword

GB/T 14093 "Technical Requirements for Mechanical Products" includes the following seven parts.

---GB/T 14093.1 Environmental requirements for mechanical products, hot and humid environment

---GB/T 14093.2 Mechanical products Environmental technical requirements Cold environment

---GB/T 14093.3 Mechanical product environmental technology requirements plateau environment

---GB/T 14093.4 Mechanical products Environmental technical requirements Industrial corrosion environment

---GB/T 14093.5 Mechanical product environmental technical requirements dry heat environment

---GB/T 14093.6 Mechanical product environmental technical requirements marine environment

---GB/T 14093.7 Mechanical products environmental technology to show the mine environment This part is the fifth part of GB/T 14093. This part replaces GB/T 14093.5-1997 "Environmental technical requirements for mechanical products for dry heat environment". Compared with GB/T 14093.5-1997, the main changes in this part are as follows:

--- According to the requirements of GB/T 1.1-2000 "Standardization Work Guide Part 1. Standard Structure and Writing Rules" Modifications have been made;

--- "This standard" was changed to "this section";

--- Updated the reference standard. Appendix A, Appendix B and Appendix C of this part are informative annexes. This part is proposed and managed by the National Technical Committee for Environmental Conditions and Environmental Testing Standardization of Electrical and Electronic Products (SAC/TC8). This section drafted by: Guangzhou Electric Apparatus Research Institute. The main drafters of this section. Liu Kuifang, Xiao Li. The previous versions of the standards replaced by this part are. GB/T 14093.5-1997. GB/T 14093.5-2009 Mechanical product environmental technical requirements Dry heat environment

1 Scope

GB/T 14093.5-2009 is the Chinese national standard on environmental technology requirements of machinery products for dry heat 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 part specifies the types of protection, environmental conditions, technical requirements, test methods, acceptance rules and standards for mechanical products used in dry heat environments. Requirements for packaging, packaging, transportation and storage. This section applies to general purpose mechanical products used in dry and hot climate zones as specified in GB/T 4797.1-2005. Large product The categories include agricultural machinery, internal combustion engines, construction machinery, lifting and transportation machinery, heavy machinery, petrochemical general machinery, electrical products, instrumentation, machine tools. With general parts and so on.

2 Normative references

The terms in the following documents become the provisions of this part by reference in this part of

GB/T 14093. Quotations with dated And all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouragement is achieved in accordance with this section. The parties to the agreement study whether the latest versions of these documents can be used. For undated references, the latest edition applies to this section.

GB/T 2423.1-2008 Environmental testing for electric and electronic products - Part 2. Test methods Test A. Low temperature (

IEC 60068-2-1..2007, IDT)

GB/T 2423.2-2008 Environmental testing of electric and electronic products - Part 2. Test methods Test B. High temperature (

IEC 60068- 2-2..2007, IDT)

GB/T 2423.4-2008 Environmental testing of electrical and electronic products - Part 2. Test method test Db alternating heat (12h+12h cycle) (

IEC 60068-2-30.2005, IDT)

GB/T 2423.10-2008 Environmental testing of electric and electronic products - Part 2. Test method test Fc. Vibration (sinusoidal) (IEC 60068-2-6.1995, IDT)

GB/T 2423.17-2008 Environmental testing of electric and electronic products - Part 2. Test method test Ka. Salt spray (

IEC 60068- 2-11.1981, IDT)

GB/T 2423.22-2002 Environmental testing of electric and electronic products - Part 2. Test method Test N. Temperature change (idt IEC 60068-2-14. 1984)

GB/T 2423.24-1995 Environmental testing of electric and electronic products - Part 2. Test method test Sa. Simulated on the ground too Radiation (idt IEC 60068-2-5.1975)

GB/T 2951.15-1997 General test methods for cable insulation and sheathing materials - Part