

ICS 27.040
CCS K58



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

GB/T 11371-2008

Replacing GB/T 11371-1989

Operation and maintenance for gas turbine

轻型燃气轮机使用与维护

Issued on: April 10, 2008

Implemented on: October 1, 2008

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

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Foreword

This standard replaces GB/T 11371-1989 "lightweight gas turbine operation and maintenance." This standard compared with GB/T 11371-1989 main changes are as follows:

- Increasing the GB/T 13674 "light gas turbine fuel specification" and GB/T 15135 "gas turbine word" normative cited File (the first edition chapter 2);
- Increased use of protective measures and maintenance personnel to work under abnormal noise level of the environment (edition 4.10);
- Increase of anti-explosion requirements (edition 4.12);
- Modify some running check the contents (1989 edition 5.1.6,5.1.15);
- Increase manually jigger requirements (Excerpts 5.1.12);
- Increase fault emergency stop inspection requirements (Excerpts 5.2.3.7). The standard proposed by China Aviation Industry Corporation. The standard by the China Aviation Industry Corporation. This standard was drafted. Aviation of China Institute of Technology, New World Aviation Gas Turbine Co., Ltd. The main drafters of this standard. Xu Shuangcheng, Zhang, in Pei Min, Meng Tao. This standard replaces the standards previously issued as follows:
 - GB/T 11371-1989. Light gas turbine operation and maintenance

1 Scope

GB/T 11371-2008 is the Chinese national standard on operation and maintenance for gas turbine, in the field of energy and heat transfer engineering. 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 10 April 2008 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 October 2008.

Classification: ICS 27.040, CCS K58. 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 standard specifies the light gas turbine (hereinafter referred to as gas turbines) use and maintenance requirements. This standard applies to gas turbine power generation and mechanical drive equipment used for the preparation and maintenance of gas turbines provide the basis for the use of the document.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 10489 General requirements for light turbine

GB/T 13674 light gas turbine fuel specification GB/T 15135 GT vocabulary

3 Terms and Definitions

Terms and definitions GB/T 10489 and GB/T 15135 in established apply to this standard.

4 Safety

4.1 Use and maintenance of the gas turbine should be consistent with the relevant provisions of national technical standards for safety, and to engage in the use and maintenance of the equipment should mention For adequate security and protection. Gas turbine producing

4.2 provides maintenance manual should include the safe use and maintenance requirements.

4.3 GT runtime user who enters the gas turbine operating site (room, engine room, etc.) should be made to safety regulations.

4.4 pairs use and maintenance personnel should be trained in safe handling techniques.

4.5 Before the gas turbine power plant put into operation, use and maintenance personnel should be a clear division of duties.

4.6 in the work area, there should be adequate lighting and ventilation equipment.

4.7 pairs dangerous parts should be clearly marked and the use of shields, partitions and parapets and other protective equipment to protect the safety of personnel.

4.8 In the gas turbine power plant operation, the response to provide adequate ventilation and evacuation site facilities personnel access device. In addition, It should be considered likely to endanger the safety of persons using fire extinguishing system in an enclosed area.

4.9 should provide proper equipment and tools for the use and maintenance staff, with particular attention to heavy equipment (including rigging, spreader, crane Mechanical and driving, etc.) use of security measures.

4.10 Use and maintenance personnel should work under abnormal noise level environment wear ear protection.

4.11 workplace should prevent the risk of fire, full attention to fuel, oil leakage may cause a risk of fire (should pay particular attention to potential Leakage), and take appropriate fire safety measures.

4.12 should provide adequate gas detection, spark suppression equipment, pipe measure grounding/bonding, so that the possibility of fuel leaks and gas explosions Minimized. The gas turbine power plant

4.13 electrical equipment shall meet the security requirements specified in the relevant standards and regulations for electrical equipment.

4.14 communication tools for contact should be intact, able to adapt to the unified command and emergency use.