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The Chinese version of standards has precedence to their English translations which are only for internal reference.

JB 4726 – 2000

压力容器用碳素钢和低合金钢锻件
Carbon and Low-alloy Steel Forgings for
Pressure Vessels

Preface

This standard is the revised version of JB 4726 – 1994.

This standard has made following changes based on the comments obtained since the implementation of JB 4726 – 1994, the domestic development of new steel grade and reference of the recent international similar standards:

- 1 15MnV, currently not used, has been canceled;
- 2 Moderate temperate hydrogen resistant steel 14Cr1Mo has been added;
- 3 Phosphorus and sulfur contents have been decreased widely based on the domestic advanced smelting level so as to reach the international advanced level;
- 4 0 impact test shall be used for 16Mn, 20MnMo, 20MnMoNb forgings instead of 20 impact test, so as to meet the requirement of pressure vessel product standard;
- 5 Considering the safety of pressure vessels stipulations in appendix B have been added for each steel grade in this standard,

JB 4726 – 1994 shall be null since the implementation date of this standard.

Appendix A and Appendix B of this standard are the standard appendixes.

This standard is put forth by The National Pressure Vessels Standardization and Technical Committee.

This standard belongs by right to the Manufacturing Sub-committee of the National Pressure Vessel Standardization and Technical Committee.

Responsible drafting unit of this standard: Hefei General Machinery Research Institute, China General Machinery and Engineering Company, Wuhan Heavy-duty Casting and Forging Works.

Main drafters of this standard: Zhang Yong, Qin Xiaozhong, Xu Jie, Teng Mingde, Yan Mingxin, Li Rongrong.

This standard has been first issued in January 1994.

中华人民共和国行业标准

Industrial Standard of the People's Republic of China

JB 4726 –2000

压力容器用碳素钢和低合金钢锻件

In substitution of

JB 4726 – 1994

Carbon and Low-alloy Steel Forgings for Pressure Vessels

1. Scope

This standard has specified the technical requirements, test methods and inspection rules, etc. for carbon and low-alloy steel forgings for pressure vessels.

This standard is applicable to carbon and low-alloy steel forgings for pressure vessels with a design temperature above -20°C , design pressure below 35Mpa.

2 Reference standards

The articles contained in the standards below shall become part of this standard by reference hereof. The indicated versions are effective at the time of issuance of this standard. All standards are subject to revision. Therefore, the possibility of using the latest version of the standards below shall be discussed by the users of this standard.

GB/T 222 – 1984	Method of sampling steel for determination of chemical composition and permissible variations for product analysis
GB/T 223.5 – 1997	Methods for chemical analysis of iron, steel and alloy – The reduced molybdosilicate spectro-photometric method for the determination of acid-soluble silicon content
GB/T 223.11 – 1991	Methods for chemical analysis of iron, steel and alloy – The ammonium persulphate oxidation volumetric method for the determination of chromium content

国家机械工业局

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