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

GB/T 10832-2008

Replacing GB 10832-1989

General specification for centrifugal and vortex pumps of ship

船用离心泵、旋涡泵通用技术条件

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Foreword

This standard replaces GB/T 10832-1989 "centrifugal pump, vortex pump General technical requirements." This standard compared with GB/T 10832-1989, the main technical content of the following changes.

- To increase the diesel engine, turbine as the prime mover of the chapter;
- Increased the impeller best efficiency point in the performance curve in the area of \u200b\u200buse;
- Increased use of environmental requirements extravehicular installed;
- The balance precision as required by the original standard of Figure 2, is changed to reference the appropriate machinery industry regulations;
- Original standard vibration test and noise test expression references of national standards;
- Increasing the fastening bolt, put gas fitting, fixed impeller nuts, shafts, bushings, return pipe, couplings, base and other technical requirements;
- Pressure casing drilling, thickness and other technical requirements have been added;
- Increase the technical requirements for operation of the impeller seal ring gap;
- Modify the reference standard. The standard proposed by China Shipbuilding Industry Corporation. This standard by the China Machinery Standardization Technical Committee Marine deck machinery and auxiliary machinery spaces under the jurisdiction of the Technical Committee. This standard was drafted. China Shipbuilding Industry Corporation seventh - four Institute. The main drafters of this standard. Sun Weiping, Du Yun water, Sun Yuxiang, Li Bing, Gu Qingchun. This standard replaces the standards previously issued as follows:
 - GB/T 10832-1989. Centrifugal pump, vortex pump General technical conditions

1 Scope

GB/T 10832-2008 is the Chinese national standard on general specification for centrifugal and vortex pumps of ship, in the field of shipbuilding and marine structures. 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 3 March 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 September 2008. Classification: ICS 47.020.50, CCS U47. 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 centrifugal pump, vortex pump (hereinafter referred to as. Pump) requirements, test methods, inspection rules, marking, packaging, transport and Storage. This standard applies to ships cooling system, bilge ballast system, circulating water system, fire fighting system, auxiliary boiler feed water system, the water system date And other sea water pump to use, fresh water pump and oil pump design, manufacturing and delivery.

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 191-2000 Packaging - Pictorial signs (eqv ISO 780.1997)

GB/T 569-1965 Marine flange connection dimensions and sealing surface

GB/T 699-1999 quality carbon structural steel

GB/T 1176-1987 Cast Copper Alloys conditions (neq ISO 1338. 1977)

GB/T 1220-2007 stainless steel rod

GB/T 1348-1988 ductile iron castings

GB/T 2501-1989 Marine flange connection dimensions and sealing surface (four into bits)
(neq

ISO 2084. 1974) Determination of

GB/T 3214-2007 water pump flow

GB/T 3216-2005 rotary power pump hydraulic performance acceptance tests - Grades 1 and 2 (ISO 9906.1999, MOD)

GB/T 4423-2007 Copper and copper alloy rod drawing

GB/T 5661-2004 suction centrifugal pumps mechanical seals and for soft packing cavity dimensions (ISO 3069.2000, MOD)

GB/T 9239.1-2006 mechanical vibration steady state (rigid) rotor balance quality requirements - Part 1. specification of tolerance and balance Test (ISO 1940-1.2003, IDT)

3 Symbols and Abbreviations

3.1 standard used symbols and meanings are as follows: 1. Entrance 2. Export