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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 11705-2009

Replacing GB 11705-1989

Test method for marine electric three-spindle screw pump

船用电动三螺杆泵试验方法

Issued on: March 9, 2009 **Implemented on: November 1, 2009**

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 11705-1989 "Test methods for marine electric three screw." This standard compared with GB/T 11705-1989, the main technical content of the following changes.

--- Additions and modifications to the reference standard;

--- Increasing the basic parameters of the pump;

--- Simplified terms, increasing the English interpretation of terms;

--- Changing certain amount of symbols;

--- Original standard of noise and vibration expressed as references to national standards;

--- Deletion of the content expressed ambient vibration, shock test and other aspects;

--- Original standard testing procedures and measuring methods according to the standard GB/T 1.1-2000 modified requirements, test methods;

--- Increasing the test record form and performance curve table. Appendix A of this standard and Appendix B is an informative annex. The standard proposed by China Shipbuilding Industry Corporation. This standard by the National Standardization Technical Committee of marine deck machinery auxiliary machinery at the Technical Committee and the cabin. This standard was drafted. China Shipbuilding Industry Corporation seventh four Institute. The main drafters of this standard. Nie Shubin, Alan Li day, brought LU Wei, Sun Weiping. This standard replaces the standards previously issued as follows:

--- GB/T 11705-1989. Test methods for marine electric three screw

1 Scope

GB/T 11705-2009 is the Chinese national standard on test method for marine electric three-spindle screw pump, 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 9 March 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 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 marine electric three screw (hereinafter referred to as pump) test items, test methods, calculation of test results, etc. This standard applies to the ship transporting fuel, oil and hydraulic oil clean lubricating medium (flow 0.18m3/h ~ 720m3/h, Outlet pressure 0.2MPa ~ 25MPa, shaft power 0.25kW ~ 600kW, net absorption height + 0.02MPa ~ -0.06MPa) pump Test.

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 265 Petroleum products - Determination of kinematic viscosity and calculation of dynamic viscosity Determination of

GB/T 3214 water pump flow

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

GB/T 16301 ship engine room auxiliaries measurement and evaluation of vibration severity Noise measurement

JB/T 8098 pump and Evaluation Method

3 Terms and definitions, symbols The following terms and definitions, symbols apply to this standard.

3.1 Terms and Definitions 3.1.1 3.1.2

3.1.3 To maintain full pressure pump running speed, medium viscosity and temperature constant, when the flow amount is decreased net 3% of the nominal flow when high suction Degree is pumping at the maximum height of the net operating conditions.

3.2 Symbol The adoption of standards related to the amount of the symbol table and national legal units of measurement shown in Table 2 and shown in the relevant letters or

numerals Scalar symbols. Table 1 amount of symbols and units Quantity Name Symbol Unit Flow rate Q L/min, m3/h