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

GB/T 33139-2016

**Ships and marine technology -- Maintenance and testing to
reduce losses in critical systems for propulsion**

船舶与海上技术 减少船舶推进关键系统损失的维护与试验

(English Translation)

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the translation method equivalent to ISO 13613.:2011 "Ship and marine technology to reduce the ship to promote the key system of the loss of the dimension Care and test ".

This standard is proposed by China Shipbuilding Industry Corporation.

This standard by the National Marine Machinery Standardization Technical Committee (SAC/TC137) centralized.

The drafting unit of this standard. China Shipbuilding Industry Comprehensive Technology and Economic Research Institute, Henan Diesel Heavy Industries Co., Ltd., Harbin Engineering the University.

1 Scope

This standard specifies the overall maintenance and test methods for the ship propulsion critical system (hereinafter referred to as the system), including compressed air systems, Fuel systems, automation systems and so on.

This standard applies to the crew of the ship system maintenance, but also for the relevant departments to provide ship system operation and maintenance and testing of technical information and Suggest.

2 Terms and definitions

The following terms and definitions apply to this document.

Differential pressure Δp the pressure difference between the two points of the system is used to measure the measurement parameters of the filter state (cleaning or clogging).

Viscosity

A measure of the flow resistance of the liquid.

Note: Fuel viscosity includes minimum viscosity and maximum viscosity, through the fuel viscosity, can determine the fuel flow, the degree of atomization and the appropriate atomization temperature.

3.1 Overall system maintenance

The overall maintenance of the ship system is to improve system efficiency and reliability and reduce downtime. Appropriate maintenance intervals will help avoid Free equipment failure.

3.1.1.1 Plan maintenance

Scheduled maintenance includes routine inspection and planned inspections.

a) routine inspection Routine inspections include the following.

- oil leakage, lubrication, liquid level inspection (oil tank, fuel tank);
- operation check (button/switch, valve/board, lamp, alarm);
- measurement (size, gap, voltage, pressure, temperature, vacuum).

b) plan check

The plan includes the following items.

- cycle check (week, month, quarter, year, etc);