

ICS 03.220.40

CCS R 06



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

GB/T 7187.2-2026

Replacing GB/T 7187.2-2010

**Fuel oil consumption for transport ships - Part 2: Calculation
method for inland vessels**

运输船舶燃油消耗量 第2部分：内河船舶计算方法

Issued on: April 30, 2026

Implemented on: November 1, 2026

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

Table of Contents

2 Normative references

4 Calculation method for ship fuel consumption

4.2 Fuel Consumption of Ships on Each Navigation Segment

4.3 Auxiliary boiler fuel consumption

5 Calculation Method for Ship Fuel Consumption Rate

1.0

Note. The coefficient α is selected by interpolation within the corresponding value range based on the loading rate (the ratio of cargo capacity to rated cargo capacity).

2 Normative references

This document has no normative references.

4 Calculation method for ship fuel consumption

4.1 Ship voyage fuel consumption The calculation method for fuel consumption of a ship on a voyage should follow formula (1), and an example calculation is shown in Appendix A.

4.2 Fuel Consumption of Ships on Each Navigation Segment

4.2.1 The calculation method for fuel consumption of a ship during a voyage shall be in accordance with formula (2).

4.2.2 The influence coefficient of ship cargo volume on main engine fuel consumption is shown in Table 1. Table

1. Values of the coefficient α , which represents the influence of ship cargo volume on main engine fuel consumption. Liquid cargo ships, cargo ships, container ships, roll-on/roll-off ships, tugboat fleets, passenger ships 0.7 0.8~0.9 0.8~0.9 0.8~0.9 0.5~0.7

4.3 Auxiliary boiler fuel consumption

4.4 Substitution of shore power fuel for ships The calculation method for the amount of shore power fuel substitution used by ships should be based on formula (7).

5 Calculation Method for Ship Fuel Consumption Rate

5.1 The ship's fuel consumption rate shall be calculated according to formula (8).

5.2 Examples of ship fuel consumption rates are shown in A.2.

6.Accounting period The accounting period can be for a single voyage or multiple voyages.

chinastandards.org · PREVIEW