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

GB/T 11715-2025

Crude oil tank washing machine

原油洗舱机

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. This document replaces GB/T 11715-1989 "Crude Oil Washing Machine". Compared with GB/T 11715-1989, except for structural adjustments and editorial changes, In addition to the dynamic, the main technical changes are as follows:

- Changed the terminology (see Chapter 3, Chapter 2 of the 1989 edition);
- Deleted the classification of procedural and non-procedural types (see 3.1.3 of the 1989 edition);
- Added the tank cleaning machine structure diagram (see 4.2);
- Changed the model name (see 4.3, 3.3 of the 1989 edition);
- Changed the basic parameters of the tank cleaning machine (see 4.4, 3.2 of the 1989 edition);
- Added appearance requirements (see 5.1);
- Changed the material requirements (see 5.2, 4.4 of the 1989 edition);
- Deleted the general requirements (see

1 Scope

GB/T 11715-2025 is the Chinese national standard on crude oil tank washing machine, 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 29 August 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 March 2026.

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 document specifies the classification, requirements, test methods, Inspection rules, marking, packaging, transportation and storage, etc. This document applies to the design, manufacture and acceptance of turbine-driven tank washing machines for crude oil tank washing systems, and other tanks and cabinets for storing and transporting crude oil. Tank cleaning machines may refer to this document.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 191 Pictorial markings for packaging, storage and transportation

GB/T 1176-2013 Cast copper and copper alloys GB/T 13306 Signage

GB/T 13384 General technical requirements for packaging of electromechanical products

GB/T 14975-2012 Stainless steel seamless pipe for structural use

GB/T 32065.2 Environmental test methods for marine instruments Part

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 shadowdiagram Draw a straight line from the end of the tank cleaning machine nozzle to the tank surface within its spray range, and then make a projection of the difference between the tank surface that is directly sprayed and the tank surface that is not directly sprayed. Top and side views of direct injection.

3.2 dynamic pressure value dynamicpressurevalue The impact pressure value generated by the continuous impact of the jet on the pressure plate.

3.3 Effective jet length The jet flow pressure value of the tank cleaning machine meets the required range.

4 High temperature tests

GB/T 32065.6 Environmental test methods for marine instruments Part

6 Steady state damp heat test

GB/T 32065.14 Environmental test methods for marine instruments Part