

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

SN/T 2389.16-2016

**Rules for measurement survey on import and export
commodities--Part 16: General regulation for static
measurement in vertical cylindrical metal shore tanks
(English Translation)**

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Foreword

SN/T 2389 "Import and Export Containers Weighing Regulations" is divided into 16 parts.

- Part 1. Terminology;
- Part 2. static weighting of vertical metal cans for animal and vegetable oils;
- Part 3. Ori oil on the shore vertical metal cans static weight;
- Part 4. Static weighing of liquefied petroleum gas tanks;
- Part 5. Static weighing of vertical metal cans on oil shore;
- Part 6. Determination of the fullness of pipelines between shore ships;
- Part 7. Automatic measurement of the liquid level of the vertical metal pressure tank (non-freezing);
- Part 8. Ori oil tank static weight;
- Part 9. Estimation of liquid cargo volume of liquid cargo ships;
- Part 10. Static weighing of liquid chemical tanks;
- Part 11. Liquid chemical vertical stacking of metal cans;
- Part 12. Static weighing of asphalt cabins;
- Part 13. Static weighing of the cabin of petroleum and its liquid products;
- Part 14. Automatic measurement of the level of vertical metal tanks on the shore;
- Part 15. Static weighing of LNG cabins;
- Part 16. Static standard for heavy duty onshore vertical metal cans.

This part is part 16 of SN/T 2389.

This part is drafted in accordance with the rules given in GB/T 1.1-2009 and SN/T

0009.2-2009.

This part is proposed and managed by the National Certification and Accreditation Administration.

This section drafted by. Tianjin Entry-Exit Inspection and Quarantine Bureau of the People's Republic of China, Guangdong Province Entry and Exit Inspection Epidemic situation.

1 Scope

This part of SN/T 2389 stipulates the static of onshore vertical metal cans (excluding shore tanks) for import and export of liquid commodities (excluding liquefied gas).

General methods, procedures, and requirements for weighing.

This section applies to the calculation of the weight of the liquid goods in the non-pressure bank tank.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 1884 Determination of density of crude oil and liquid petroleum products -
Densitometric method GB/T 1885-1998 petroleum meter GB/T 4472 Determination of
density and relative density of chemical products GB/T 4883 data statistical processing and
interpretation of the judgment and processing of outliers of normal samples GB/T 5526
Determination of the specific gravity of vegetable oils and fats GB/T 8170 Numerical
Rounding Rules and Representation and Determination of Limit Values GB/T 8927 oil and
liquid petroleum products temperature measurement manual method GB/T 8929
Determination of water content of crude oil JJG4 steel tape measure verification procedure
JJG130 working glass liquid thermometer JJG168 vertical metal tank capacity verification
procedures JJG874 temperature indicating controller verification procedure SN/T 2389.6
Rules for weighing of import and export containers - Part 6. Determination of fullness of
pipelines between shore ships

3.1 Working conditions

3.1.1

The shore tank used for metering shall be verified by the statutory metrological verification department, and the qualification certificate shall be obtained and used within the validity period. Shore can After the deformation or construction, it shall be re-certified and the

qualification certificate shall be obtained before it can continue to be used for measurement.

3.1.2

The tank area shall be equipped with the equipment, utensils and articles required for shore tank weighting. The dipstick, water gauge and thermometer shall be subject to the statutory measurement and verification department.

Pass the test and ensure that it is kept intact during the validity period.

3.1.3

The pumping, pipelines and valves in the tank area should be clearly distributed, and the valve has the sealing conditions.

3.1.4

The nameplate of the tank number, the nominal capacity, the reference height, the manufacturer and the validity period of the verification shall be indicated at the obvious location of the shore tank.

3.1.5

The shore tank metering port shall have a lower ruler to determine the position of the ruler.

3.1.6

Floating roof type tanks During the measurement of liquid level and temperature, the floating roof should be in a completely floating state, and there should be no influence on the floating roof.