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

SN/T 2389.14-2013

**Rules for measurement survey on import and export
commodities. Part 14: Vertical metal shore tank automatic level
gauging**

(English Translation)

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Foreword

SN/T 2389 "Import and Export container weight of order" is divided into 14 parts.

- Part 1. Terminology;
- Part 2. Animal and vegetable oils shore vertical metal tank static weight;
- Part 3. Orimulsion shore vertical metal tank static weight;
- Part 4. Cabin LPG static weight;
- Part 5. shore oil vertical metal tank static weight;
- Part 6. determination line between the shore boat fullness;
- Part 7. shore vertical metal pressure tanks (non-refrigerated) automatic measurement of liquid level;
- Part 8. Orimulsion Cabin static weight;
- Part 9. cargo ship line liquid volume estimate;
- Part 10. Static liquid chemicals cabin weight;
- Part 11. Liquid chemicals shore vertical metal tank static weight;
- Part 12. asphalt cabin static weight;
- Part 13. Oil and liquid products Cabin static weight;
- Part 14. shore vertical metal tank liquid level measurement.

This section SN/T 2389 Part 14.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section proposed and managed by the National Certification and Accreditation Administration Committee.

This section drafted by. People's Republic of China Zhejiang Exit Inspection and Quarantine.

1 Scope

This section SN/T 2389 provisions ashore vertical metal tank level automatic measurement procedures, requirements and methods.

This section applies to shore vertical metal tank of liquid cargo import and export of liquid level measurement.

This section does not apply to liquid level measurement freezing tank or pressure tank.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 13894 Petroleum and liquid petroleum products - Measurement level SN/T 2389.1 weight regulations Import and Export containers - Part 1. Terminology

3 Terms and Definitions

SN/T 2389.1 and define the following terms and definitions apply to this document.

Automatic level gauge; ALG Installed in shore tanks for liquid depth or ullage continuous automatic measuring device.

Ullage automatic tank gauge ullage-basedALG from the reference point for measuring the vertical distance to the automatic level gauge liquid surface.

Automatic liquid level meter deep innage-basedALG from the reference point for measuring the liquid level gauge automatic vertical distance.

4.1 Working conditions

4.1.1

liquid cargo tank should not be in the solidification or semi-solid state, or should be heated.

4.1.2

When measuring liquid, shore tank mixer should stop working, liquid cargo should be in a stable state.

4.1.3

Automatic level gauge, manual measuring scale shall be approved by a qualified testing organization certified by and within the validity period.

4.1.4

Automatic calibration component level measuring device should be applied to seal.

4.2 Technical requirements

4.2.1

Automatic level gauge should be subject to the initial setup and calibration measurements.