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**Calibration Specification for Hybrid Tank Measurement System
(English Translation)**

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Table of Contents

Introduction (III)	
1 Scope (1)	
2. References (1)	
3 Terms and Definitions (1)	
4 System Overview (2)	
4.1 HTMS mode (2)	
4.2 Mixing processor (5)	
5 Metrological characteristics (6)	
5.1 General Requirements (6)	
5.2 Automatic level gauge (6)	
5.3 Automatic tank thermometers (ATT) (7)	
5.4 Pressure transmitter (7)	
5.5 Overall System Requirements (7)	
6 Calibration conditions (8)	
6.1 Calibration environmental conditions (8)	
6.2 The main calibration standards and related calibration equipment (8)	
7 Calibration items and calibration methods (8)	
7.1 Automatic level gauge (ALG) calibration (8)	
7.2 Automatic Calibration thermometer (ATT) (10)	
7.3 Calibration pressure transmitter (10)	
7.4 Calibration oil quality (11)	
7.5 Oil volume calibration standard (12)	
6.1 Calibration environmental conditions (8)	
6.2 The main calibration standards and related calibration equipment (8)	
9 Recalibration interval (12)	
Appendix A measurement accuracy and uncertainty analysis (13)	
Appendix B equipment installation (20)	
Appendix C calibration certificate cover and inside page format (26)	
Appendix D calibration record form (for reference) (28)	

Introduction

This specification is a reference to ISO 15169:2003 to determine the "oil and liquid petroleum products mixed measurement system Volume in the vertical oil products, the density and quality "(Petroleum and liquid petroleum products - Determination of volume, density and mass of the hydrocarbon content of vertical cylindrical tanks by hybrid tank measurement systems), ISO 4266-1:2002 "Petroleum and liquid petroleum Product tank level and temperature automatic measurement - Part 1. atmospheric tank level measurement "(Petroleum and liquid petroleum products - Measurement of level and temperature in storage tanks by automatic methods - Part 1. Measurement of level in atmospheric tanks), GB/T 21451.4-2008 "Petroleum and liquid petroleum product storage tank level and temperature automatic measurement - Part 4. temperature and atmospheric tanks Measurement "written on the basis of content.

The specification for the first time to develop.

Hybrid tank measurement system calibration specifications

1 Scope

This standard applies to atmospheric hybrid tank measurement system (HTMS) calibration.

2. References

This specification refers to the following documents.

JJF 1001 common measurement terms and definitions GB/T 1884 crude oil and liquid petroleum products - Laboratory determination of density (density meter method) GB/T 1885 Petroleum Measurement Tables GB/T 4756 petroleum liquids hand sampling method GB/T 8927 Petroleum and liquid petroleum products - Temperature measurements - Manual methods GB/T 13236-2011 Petroleum and liquid petroleum product storage tank level measurement equipment manual GB/T 13894 Petroleum and liquid petroleum products - Measurement of liquid level (manual method) GB/T 18273-2000 Petroleum and liquid petroleum products - Direct static vertical oil tank measurement (HTG quality measurement) GB/T 19779-2005 Petroleum and liquid petroleum products - Calculation of oil static measurement GB/T 21451.4-2008 Petroleum and liquid petroleum product storage tank liquid level and temperature Automatic Measurement Act Part 4. atmospheric tank temperature measurement 4266-1 ISO . PART 12002 Petroleum and liquid petroleum product storage tank level and temperature measurements automatically Score. atmospheric tank level measurement (Petroleum and liquid petroleum products - Measurement of level and temperature in storage tanks by automatic methods - Part 1. Measurement of level in atmospheric tanks) ISO 15169:2003 Petroleum and liquid petroleum product using a mixed measurement system to determine within the vertical oil products Volume, density and mass (Petroleum and liquid petroleum products - Determination of volume,

density and mass of the hydrocarbon content of vertical cylindrical tanks by hybrid tank measurement systems) for dated references, only the dated edition applies to this specification; undated reference documents Member, the latest edition (including any amendments) applies to this specification.

3 Terms and Definitions 3.1 hybrid tank measurement systems

hybrid tank measurement system (HTMS) by an automatic level gauge (ALG), automatic tank thermometers (ATT) and hydrostatic measurement system consisting of use to measure the volume of oil and petroleum products within the tank, and (or) quality automated metering system.

3.2 stable liquid pipe stiling-wel Inside the tank level gauge for the installation of automatic vertical perforated tube, it can serve to reduce turbulence due to the liquid surface layer flow