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Replacing GB/T 26127-2010

Compressed Coalbed Methane as Vehicle Fuel

车用压缩煤层气

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Foreword

This document was drafted in accordance with the rules provided in GB/T 1.1-2020 *Directives for Standardization - Part 1: Rules for the Structure and Drafting of Standardizing Documents*.

This document serves as a replacement for GB/T 26127-2010 *Compressed Coalbed Methane as Vehicle Fuel*. In comparison with GB/T 26127-2010, apart from structural adjustments and editorial modifications, the main technical changes are as follows:

- a) The scope of application of compressed coalbed methane as vehicle fuel is modified (see Chapter 1; Chapter 1 of Version 2010);
- b) The terms and definitions are modified (see Chapter 3; Chapter 3 of Version 2010);
- c) The representation of methane is modified (see Table 1; Table 1 of Version 2010);
- d) The quality indicator requirements for high calorific value, total sulfur and water dew point are modified (see Table 1; Table 1 of Version 2010);
- e) The quality requirements for carbon dioxide and particulate matter are added (see Table 1);
- f) The classification indicators for compressed coalbed methane as vehicle fuel are added (see Table 2);
- g) The test method for total sulfur is modified (see 5.4; 5.3 of Version 2010);
- h) The test method for hydrogen sulfide is modified (see 5.5; 5.4 of Version 2010);
- i) The test method for carbon dioxide is added (see 5.6);
- j) The test method for water dew point is modified (see 5.7; 5.5 of Version 2010);
- k) The test method for particulate matter is added (see 5.8);
- l) The provisions for labeling are deleted (see 7.1 of Version 2010);
- m) The provisions for filter element pore size are added (see 7.2);
- n) The provisions for storage containers are modified (see 7.3; 7.3 of Version 2010).

Please be noted that certain content of this document may involve patents. The institution issuing this document does not undertake the responsibility of identifying these patents.

This document was proposed by China National Coal Association.

This document shall be under the jurisdiction of National Technical Committee 42 on Coal of Standardization Administration of China (SAC/TC 42).

Compressed Coalbed Methane as Vehicle Fuel

1 Scope

This document specifies the quality requirements, test methods, inspection and determination, storage, and use of compressed coalbed methane as vehicle fuel.

This document applies to compressed coalbed methane used as vehicle fuel at a pressure not exceeding 25 MPa.

2 Normative References

The contents of the following documents constitute indispensable clauses of this document through the normative references in the text. In terms of references with a specified date, only versions with a specified date are applicable to this document. In terms of references without a specified date, the latest version (including all the modifications) is applicable to this document.

GB/T 11060.1 Natural Gas - Determination of Sulfur Compound - Part 1: Determination of Hydrogen Sulfide Content by Iodometric Titration Method

GB/T 11060.2 Natural Gas - Determination of Sulfur Compound - Part 2: Determination of Hydrogen Sulfide Content by Methylene Blue Method

GB/T 11060.4 Natural Gas - Determination of Sulfur Compound - Part 4: Determination of Total Sulfur Content by Oxidative Microcoulometry Method

GB/T 11060.8 Natural Gas - Determination of Sulfur Compounds - Part 8: Determination of Total Sulfur Content by Ultraviolet Fluorescence Method

GB/T 11060.10 Natural Gas - Determination of Sulfur Compounds - Part 10: Determination of Sulfur Compounds Using Gas Chromatography Method

GB/T 11062 Natural Gas - Calculation of Calorific Values, Density, Relative Density and Wobbe Indices from Composition

GB/T 13609 Natural Gas Sampling Guidelines

GB/T 13610 Analysis of Natural Gas Composition - Gas Chromatography

GB 17258 Steel Cylinders for the On-board Storage of Compressed Natural Gas as a Fuel for Automotive Vehicles

GB/T 17283 Determination of the Water Dew Point of Natural Gas - Cooled Surface Condensation Hygrometers

GB/T 27893 Natural Gas - Determination of Particles Content - Gravimetric Method

GB/T 31537 Terms Relating to Coalbed Methane (coal mine gas)

SY/T 6899 Natural Gas - Determination of the Water Dew Point - The Capacitance Method

TSG 21 Supervision Regulation on Safety Technology for Stationary Pressure Vessel

TSG 23 Regulation on Safety Technology for Gas Cylinder

3 Terms and Definitions

The terms and definitions defined in GB/T 31537 are applicable to this document.

4 Quality Requirements

Compressed coalbed methane as vehicle fuel is classified into Class I and Class II. The quality indicators shall comply with the provisions of Table 1, and classification indicators shall comply with the provisions of Table 2.

5 Test Methods

5.1 Sampling

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