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

GB/T 26984-2011

Test method for distillation characteristics of crude oil

原油馏程的测定

(English Translation)

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Foreword

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

This standard uses redrafted law revision adopted GOCT2177-99 "Petroleum products - Determination of fraction composition" (Russian) in the square Method B.

The main difference between this standard and GOCT2177-99 follows.

--- The standard name from "petroleum products Determination of fraction composition" to "crude distillation range of measurement";

--- The range is suitable for a "dark and crude oil products" was changed to apply to "crude";

--- The "100cm³" distillation flask changed to "125mL" distillation flask;

--- In the "7.2.2" in the autoclave increased dehydration method;

--- In the "8.3" in the law to increase the quality of the sample was weighed methods;

--- Increased Chapter 11, "quality assurance and control," and Chapter 12, "test report";

--- The "distillation equipment specifications" changed to Appendix A;

--- Added Appendix B.

The standard proposed by China National Petroleum Corporation.

This standard by the National Standardization Technical Committee of Oil and Gas (SAC/TC355) centralized.

This standard was drafted. China Petroleum Daqing Oilfield Engineering Co., Ltd., Sinopec Research Institute of Petroleum, China Petroleum Daqing oil Field Exploration and Development Research Institute, Sinopec Northwest Petroleum Geology Laboratory, Tarim Oilfield Company Quality Inspection Center, China Petroleum Pipeline Company Pipeline Technology Research Center.

1 Scope

This standard specifies the method to determine the crude oil distillation of crude oil distillation range.

This standard applies to the water content of the mass fraction of not more than 0.2% of the oil. For the water content of the mass fraction of more than 0.2% of crude oil demand into Dehydration process.

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 514 Petroleum products test glass liquid thermometer technical conditions GB/T 1884 Petroleum and liquid petroleum products densitometry (hydrometer method) (GB/T 1884-2000, eqv ISO 3675.

1998)

GB/T 4756 petroleum liquids hand sampling method (GB/T 4756-1998, eqv ISO 3170. 1988) GB/T 8929 Determination of water content of crude oil distillation method (GB/T 8929-2006, ISO 9029:1990, MOD) SH/T 0604 crude oil and petroleum products densitometry (U-shaped vibrating tube method) (SH/T 0604-2000, eqv ISO 12185.

1996)

SY/T 5317 petroleum liquids pipeline automatic sampling (SY/T 5317-2006, ISO 3171. 1988, IDT) SY/T 6520 Standard Test Method for crude oil dehydration autoclave method

3 Terms and Definitions

The following terms and definitions apply to this document.

IBP initialboilingpoint when distillation under standard conditions, from the condenser end of the first drop of condensate dripping instant thermometer readings were observed in the table t0 Shown in degrees Celsius (°C).

Recycling or recovery volume percentage volumerecoveredorpercentrecovered and thermometer readings simultaneously observed volume of condensate in the receiving cylinder, the volume recovered to V_i expressed in milliliters (mL), Percent recovery of volume fraction ϕ_{ii} Fig.

Principle 4

100mL sample under specified conditions distillation system observed thermometer

readings and recovered volume, and based on these data Calculation and reporting.