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

GB 14646-2007

Retreaded tyres for passenger cars

轿车翻新轮胎

(English Translation)

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting is required.

This document replaces GB/T 14646-2007 "Passenger car retread tires". Compared with GB/T 14646-2007, except for structural adjustments and editing in addition to the changes in performance, the main technical changes are as follows.

- Added some provisions for carcass sidewall marking for retreading (see 4.1.2);
- Changed some requirements that should not be applied to retreaded tires (see 4.1.3, 4.1.3 of the 2007 edition);
- Deleted the relevant requirements for retread carcass with perforation damage (see 4.1.4 of the 2007 edition);
- Changed the relevant provisions on the inflation pressure of the carcass for inspection before and after retreading (see 4.2.2 and 4.3.1, 4.2.2 and 4.3.1 of the 2007 edition) 4.3.1);
- Changed the outer edge size requirements after renovation (see 4.5, 4.5 of the 2007 edition);
- Added low pressure test for retreaded tires (see 5.5);
- Changed the relevant provisions on the markings that should be on retreaded tires (see 6.2, 6.2 of the 2007 edition).

1 Scope

This document specifies the technical requirements, test methods and markings for retreaded passenger car tyres.

This document applies to the retreading of pneumatic passenger car tyres.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document.

GB/T 521 Method for measuring tire outer rim dimensions GB/T 2978 Specifications, dimensions, pressure and load of passenger car tires GB/T 4502 Passenger car tire performance indoor test method GB/T 6326 Tire Terminology GB 9743 Passenger car tires HG/T 2177 Tire Appearance Quality

3 Terms and definitions

The terms and definitions defined in GB/T 6326 apply to this document.

4.1 Tire selection

4.1.1

A tyre that has been retreaded should not be retreaded again.

4.1.2

For retreaded tires, the sidewall markings shall include the following.

- Tire specifications;
- Speed symbol (or maximum driving speed);
- Load index (or maximum load capacity or level);
- "CCC" and other certification marks.

4.1.3

Tyres that meet any of the following conditions shall not be used for retreading.

- Production date exceeds 5 years;
- Speed symbol is less than or equal to L (120km/h);
- Obvious damage due to overload or lack of air;
- Carcass rupture or abnormal deformation;
- The tire bead is broken or damaged;

- Obvious corrosion by oil, chemicals or water;
- The tread is polished and the cord is exposed;