

ICS 43.140
T 80



NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB 15744-2019
Replaces GB 15744-2008 & GB 16486-2008

The Limits and Measurement Methods of Fuel Consumption for Motorcycles and Mopeds 摩托车和轻便摩托车燃油消耗量限值及测量方法

(English Translation)

Issue date: 2019-07-29

Implementation date: 2020-07-01

Jointly Issued by

State Administration for Market Regulation of the People's Republic of China
Standardization Administration of the People's Republic of China

CONTENTS

Foreword.....	3
1 Scope.....	5
2 Normative References.....	5
3 Terms and Definitions.....	5
4 Limits of Fuel Consumption.....	5
5 Measurement Methods of Fuel Consumption.....	7
6 Type Extension.....	12
7 Implementation of this Standard.....	12
Annex A (Normative) Product Description.....	13
Annex B (Normative) Measurement methods, equipment and calculation methods of fuel consumption.....	19
Annex C (Normative) Requirements for Type Extension.....	24

www.chinaautoregs.com

The Limits and Measurement Methods of Fuel Consumption for Motorcycles and Mopeds

1 SCOPE

This Standard specifies the limits and measurement methods of fuel consumption for motorcycles and mopeds.

This Standard is applicable to the motorcycles and mopeds equipped with a positive-ignition engine (PIE), and the right three-wheeled motorcycles equipped with a compression-ignition engine (CIE).

This Standard is not applicable to the motorcycles or mopeds fueled with gaseous fuels or alcohol fuels only.

2 NORMATIVE REFERENCES

The following referenced documents are indispensable for the application of this document. For dated references, only the editions cited apply. For undated references, the latest editions of the normative document (including any amendments) apply.

- GB/T 5378 Methods of road test for motorcycles and mopeds
- GB 14622-2016 Limits and Measurement Methods for Motorcycle Pollutant Discharge (China stage IV)
- GB 18176-2016 Limits and Measurement Methods for Emissions of Pollutants from Mopeds (CHINA IV)

3 TERMS AND DEFINITIONS

For the purpose of this document, the terms and definitions given in GB 14622-2016 and GB 18176-2016 as well as the followings apply.

3.1

Type I test

The measurement of average fuel consumption for motorcycles and mopeds under the prescribed operating cycle.

3.2

Reference speed

The driving speed at which the fuel consumption test (Type II test) for right three-wheeled motorcycles and mopeds is carried out.

3.3

Type II test

The measurement of average fuel consumption for right three-wheeled motorcycles and mopeds at the prescribed reference speed.

4 LIMITS OF FUEL CONSUMPTION

4.1 Calculation Methods

4.1.1 Calculation method of fuel consumption for two-wheeled motorcycles and three-wheeled motorcycles with sidecar

The fuel consumption, FC, of two-wheeled motorcycles and three-wheeled motorcycles with sidecar shall be calculated according to Formula (1):

$$FC = FC_1 \dots\dots\dots (1)$$

Where,



ChinaAutoRegs

中国汽车标准译文库

The following pages are left blank intentionally.

- 现成译文，到款即发。
 - 下单前可任取样页验证译文质量。
 - 免费提供正规普通增值税数电发票。
 - 请联系手机/微信: [13306496964](tel:13306496964)/Email: standardtrans@foxmail.com 获取完整译文。
 - 本英文译本为纯人工专业精翻版本，保证语法术语准确率和专业度！
 - 专业源于专注|ChinaAutoRegs 始终专注于汽车标准翻译领域！
 - 「中国汽车标准译文库」已收录上千个现行汽车国家标准和行业标准的英文版译本，涵盖传统燃油车、新能源汽车和摩托车标准化体系！独家打造千万级汽车专业术语库和记忆库。
-
- ◆ The English Translation of this document (GB, GB/T, QC/T, CNCA, CQC, CAV, etc.) is readily available, and delivered immediately upon payment.
 - ◆ You may request for sample pages to your preference before placing an order.
 - ◆ Please contact standardtrans@foxmail.com for the complete PDF version in English.
 - ◆ Almost all of Chinese automotive/automobile standards, regulations and norms in effect have been included in our well-established database, providing one-stop, up-to-date, efficient and professional solution.
-