

STN	Motocykle Metóda skúšania motora Čistý výkon	STN ISO 4106 30 0502
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Motorcycles
Engine test code
Net power

Motorcycles
Code d'essai des moteurs
Puissance nette

Táto slovenská technická norma obsahuje anglickú verziu medzinárodnej normy ISO 4106: 2012 a má postavenie oficiálnej verzie.

This Slovak standard includes the English version of the International standard ISO 4106: 2012 and has the status of the official version.

Nahradenie predchádzajúcich dokumentov

Táto slovenská technická norma nahrádza STN ISO 4106 zo septembra 1998 v celom rozsahu.

138022

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2024
Slovenská technická norma a technická normalizačná informácia je chránená zákonom č. 60/2018 Z. z. o technickej normalizácii v znení neskorších predpisov.

Anotácia

Táto medzinárodná norma špecifikuje metódy hodnotenia parametrov motorov určených pre motocykle ako sú definované v ISO 3833 najmä so zreteľom na znázornenie kriviek výkonu a mernej spotreby paliva pri plnom zaťažení v závislosti od otáčok motora na posúdenie čistého výkonu. Norma sa týka piestových spaľovacích motorov (zážihové alebo vznetové zapalovanie) – okrem motorov s volnými piestami – a rotačných piestových motorov s atmosférickým nasávaním alebo preplňovaných buď mechanickým kompresorom alebo turbokompresorom.

Národný predhovor

Normatívne referenčné dokumenty

Nasledujúce dokumenty, celé alebo ich časti, sú v tomto dokumente normatívnymi odkazmi a sú nevyhnutné pri jeho používaní. Pri datovaných odkazoch sa použije len citované vydanie. Pri nedatovaných odkazoch sa použije najnovšie vydanie citovaného dokumentu (vrátane všetkých zmien).

POZNÁMKA 1. – Ak bola medzinárodná publikácia zmenená spoločnými modifikáciami, čo je indikované označením (mod), použije sa príslušná EN/HD.

POZNÁMKA 2. – Aktuálne informácie o platných a zrušených STN a TNI možno získať na webovom sídle www.unms.sk.

ISO 2710-1 dosiaľ neprijatá

ISO 3833 dosiaľ neprijatá

ISO 15550 dosiaľ neprijatá

Vypracovanie slovenskej technickej normy

Spracovateľ: Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, Bratislava

Technická komisia: TK 33 Cestné vozidlá

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 4106 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 22, *Motorcycles*.

This fourth edition cancels and replaces the third edition (ISO 4106:2004), which has been technically revised.

Introduction

The third edition of ISO 4106 (ISO 4106:2004) has many cross-references to ISO 15550, which contains the requirements that are common to all engine applications. Consequently, users of ISO 4106:2004 always have to refer to ISO 4106 and ISO 15550 simultaneously in order to comprehend the full test procedures for motorcycles. In this fourth edition, all the necessary components are described in the text rather than referring to ISO 15550 in order to avoid such inconveniences, and some technical and editorial modifications have also been made for refinement.

ISO 4106 can now be used as a stand-alone International Standard for engine net power measurement of motorcycles.

Motorcycles — Engine test code — Net power

1 Scope

This International Standard specifies methods for evaluating the performance of engines designed for motorcycles as defined in ISO 3833, in particular with a view to the presentation of power curves and specific fuel consumption at full load as a function of engine speed, for net power assessment. It is applicable to reciprocating internal combustion engines (spark-ignition or compression-ignition) — excluding free-piston engines — and rotary piston engines, either naturally aspirated or pressure-charged and equipped with either mechanical pressure-charger or turbocharger. Particular specifications for the test of compression-ignition engines are specified in Annex A.

2 Normative references

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

ISO 2710-1, *Reciprocating internal combustion engines — Vocabulary — Part 1: Terms for engine design and operation*

ISO 3833, *Road vehicles — Types — Terms and definitions*

ISO 15550, *Internal combustion engines — Determination and method for the measurement of engine power — General requirements*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN