ICS 43.040.40
CCS Q 69

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 29063-2012

Road vehicles -- Brake lining friction materials -- Standard performance test procedure for commercial vehicles with air brakes

Issued on: December 31, 2012 **Implemented on: September 1, 2013**

Issued by: General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China, Standardization Administration of the People's Republic of China

Table of Contents

Foreword

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

This standard uses the translation method identical with the international standard ISO 26865.2009 "Road vehicles - Brake linings brake friction material gas supplier

Car Standard Performance test procedures. "

Correspondence between the consistency of the standards of international documents and normative references of the following documents.

--- GB/T 5620 Road vehicles and trailer brake Terminology and definitions (GB/T 5620-2002, ISO 611.

1994, IDT);

--- GB/T 15089 motor vehicles and trailers classification (GB/T 15089-2001, eqvUNECER.E.3);

--- GB/T 26738 Road vehicles - Brake lining friction materials product validation and quality assurance (GB/T 26738-2011,

ISO 15484.2008, IDT).

The standard proposed by China Building Materials Federation.

The standard and non-metallic mineral products by the National Standardization Technical Committee (SAC/TC406) centralized.

This standard was drafted. Dongying Brilliant Brake System Co., Ltd., Wuhan Yuanfeng Friction Materials Co., Ningguo Fei Eagle auto parts

Co., Ltd., Hubei dragon friction sealing materials Co., Ltd., Tonglu Yu Xin Auto Parts Co., Ltd., Shandong Province Liangshan car with god

Ltd., Zhuhai Haig Riley Friction Materials Co., Ltd. Chongqing Hongyu friction products,

non-metallic mineral products National Quality Supervision

Inspection Center.

Introduction

Test procedures unified commercial performance testing of friction material worldwide technology organization is a big challenge.

Friction material was tested and evaluated under different conditions in order to determine the breadth of the data. In the different stages of the product life data

(Such as manufacturing process development, production validation, quality control, product specifications/problem identification and assessment of applications, etc.) is critical.

This standard is part of the friction material globally standardized ISO 15484, is the major car manufacturers, brake systems and parts manufacturing

Suppliers, testing services and standardization organizations [such as SAE and JSAE (Japan Automobile Standards Organization)] the product of close collaboration between.

By a different truck, trailer manufacturers require a wide range of performance tests have been shown to not only time consuming, but also led to friction same purpose

Repeat evaluation material, and due to different test procedures and test conditions, the test results may not coincide with each other.

Road vehicles - Brake lining friction materials

Commercial vehicle air brake performance test method

1 Scope

This standard applies to UNECER.E.3 in M2, M3, N2, N3, O3 and O4 class air brakes for commercial vehicles.

This standard also applies to ISO 15484 definition of product development, product trial, product specification or validation and mass-produced products.

When used in conjunction with other applicable standards or test procedures, the standard provides a friction material under certain conditions market or car factory

Full and complete evaluation methods.

Note. Other applicable standards and test procedures including ISO , JIS/JASO (Japanese Industrial Standards/Japan Automobile Standards Organization), SAE (USA Automotive Engineering

Institute of Surveyors), national standards or specifications, test procedures, or other items specified by the user.

This standard does not include the vehicle under different conditions and the braking distance and the braking force distribution-related performance standards or national regulations to

Requirements, different vehicle conditions are mainly speed, temperature, adhesion coefficient, load and brake condition.

This standard specifies a single head dynamometer performance test procedures, aimed at the commercial vehicle air brake test procedure standardized for the different

All test procedures contain a unique performance requirements.

Performance evaluation test sequence includes the following conditions.

--- Run-around performance test;

--- After running and moderate temperatures after brake failure;

--- Temperature, velocity and pressure sensitivity under the influence;

--- Downhill simulation;

--- Brake recovery.

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.

ISO 611.2003 Road vehicles and trailer brake Terminology and definitions (Roadvehicles-brakingofautomo-

tivevehiclesandtheirtrailers-Vocabulary)

ISO 1176 Road vehicles - Vocabulary and code quality (Roadvehicles-Masses-Vocabularyandcodes)

ISO 3833 Road vehicles - Types - Terms and definitions (Roadvehicles-Types-Termsanddefinitions)

ISO 11157.2005 Road vehicles - Brake lining assembly Inertia bench test methods (Roadvehicles-Brakelining

assemblies-Inertiadynamometertestmethod)

ISO 15484 Road vehicles - Brake lining friction materials product validation and quality assurance (Roadvehicles-Brakelining

frictionmaterials-Productdefinitionandqualityassurance)

UNECER.E.3 (1999) classification of motor vehicles and trailers (ConsolidatedResolutionontheConstructionof

Vehicles)

3 Terms and Definitions

UNECER.E.3, ISO 611, ISO 1176, ISO 3833, ISO 15484 and defined by the following terms and definitions apply to this

file.