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JJG

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

JJG 906-2015

Replacing JJG 906-2009

**Roller Opposite Force Type Brake Testers
(English Translation)**

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Introduction

This procedure replaces JJG 906-2009 "drum reaction brake test bench".

Part of this procedure reference GB/T 13564-2005 "drum reaction type car brake test bench".

This procedure compared with JJG 906-2009, in addition to editorial changes, the main changes are as follows.

- according to JJF1002-2010 "national measurement procedures for the preparation of rules" provides that the original "2 cited literature" Changed to "2 reference file".
- cancel the original cited in the literature GB/T 16273.6-2003 "equipment with the symbol of the sixth part of the transport Input, vehicle inspection and loading machinery generic symbols ", cited in the document to increase GB/T 13564-2005" drum reaction Type brake test bench ".
- According to JJF1002-2010 "national measurement procedures for the preparation of rules" provides that the original "3 terminology" change for "3 terms and units of measurement".
- Eliminate the definition of "3.1 Roller reaction brake test bench" in the term.
- Define the definition of "3.2 rated bearer quality" in the term.
- to cancel the term "3.3 roller surface equivalent adhesion coefficient", with reference to GB/T 13564-2005 "roll Cylinder reaction brake test bench "to" roller sliding adhesion coefficient ".
- Define the "3.5 Indirect Difference" definition in the term.
- the terms "roller equivalent position" and "slip rate when the drive motor is automatically shut down" are added.
- modify the "overview".

- cancel the "5.1 zero drift" requirements.
- increase the "resolution" requirements.
- modify the "5.2 no-load dynamic zero value error" requirements.
- cancel the "5.6 discrimination" requirements.
- modify the "5.7 roller adhesion coefficient" requirements.
- increase the "drive motor automatically stop when the slip rate" requirements.
- increase the "dynamic error" and "sampling and data processing accuracy" requirements.
- cancel the "6.1 appearance and general requirements" in the 6.1.5,6.1.6,6.1.7 requirements.
- cancel the "6.2 electrical safety" requirements.
- Amend the requirements in "7.1.1 Environmental Conditions".

In the "Table 1 test equipment", increase the "dynamic braking force measurement device" and "sampling and the number According to the requirements of processing measuring devices "; modify the " adhesion coefficient tester "requirements; modify the" vernier caliper "to (Optional); modify the "steel tape" requirements; increase the "slip rate measurement device" Claim.

--- in the original provisions of the "use of inspection" to "check in use -"; cancel the test project "electrical safety "" Zero point drift "" discrimination "requirements; increase the test items" resolution "" dynamic measurement repeatability error " "Dynamic indication error" "sampling and data processing accuracy" "drive motor automatic shutdown slip rate" requirements;

Modify the test item "roller adhesion coefficient" requirements.

- increase the "resolution" of the test method.
- cancel the "7.3.1.1 zero drift" test method.
- modify the "7.3.1.3 indication error" of the test method.
- cancel the "7.3.1.6 discrimination force" of the test method.
- modify the "7.3.1.7 roller sliding adhesion coefficient" of the test method.
- increase "dynamic error" in the "measurement repeatability" "indication error" "sampling and data processing accuracy" "Test method of slip rate when driving motor automatically shuts down".
- Eliminate the "electrical safety" verification method in the general technical requirements.

- Added Appendix C Dynamic Braking Force Measurement Apparatus and Method, Appendix D Sampling and Data Processing Accuracy Simulation Signal loading method, Appendix E method of measuring the slip rate when the motor is automatically shut down, Appendix F dynamic braking force test Calibration method for volume device.

The previous version of this procedure is released as follows.

--- JJG 906-1996;

--- JJG 906-2009.

Verification Regulation of Roller Reaction - type Brake Test Bench

1 Scope

This procedure applies to the first test of the drum reaction brake test stand (hereinafter referred to as the brake), the subsequent verification and Check in use.

2 reference file

Safety technical conditions for motor vehicle operation GB 7258 Roller reaction station for automobile brake test bench GB/T 13564-2005 GB 21861 Motor vehicle safety technical inspection items and methods for dated references, only the dated edition applies to this rule; references that are not dated , The latest version (including all amendments) applies to this procedure.

3 terms and units of measurement GB/T 13564-2005 Definitions and the following terms and definitions apply to this Code.

3.1 Roller sliding adhesion coefficient slipadhesioncoefficientofroler when the vehicle wheel of the vehicle is slid on the upper bus of the active drum (wheel is locked), the brake force measured by the brake and the wheel of the gravity load ratio, for the dimensionless amount.

3.2 no-load dynamic zero-value error noloaddynamiczeroerror in the no-load operation state, the instrument displays the maximum deviation from the zero value. The unit is cattle (N) or ten cattle (daN). (GB/T 13564-2005, definition 3.4) 3.3 roller equivalent position equivalentpositionofroler A special force lever is fixed to a position outside the drum to apply torque to the drum, and the rotational center of the torque is in the drum on the extension line of the shaft, the special force lever should be able to apply the torque directly to the main drum.

3.4 slip rate when the drive motor is automatically shut down slipratioofdrivingmotorstop for a brake table with a third roller, when the vehicle is detected to brake, the third drum linear velocity varies with the brake wheel wire speed the slow speed of the slowdown in the brake drive motor automatically shut down the moment, the main roller speed and the third roller line speed the difference between the speed of the main drum and the speed of the main drum.