ICS 53.100
CCS P 97

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 8506-2008

Graders - Test methods

平地机 试验方法

Issued on: August 26, 2008 **Implemented on: February 1, 2009**

Issued by: General Administration of Quality Supervision, Inspection and Quarantine;
Standardization Administration of the PRC

Table of Contents

Foreword

This standard replaces GB/T 8506-1987 "Grader performance test method", GB/T 16278-1996 "Grader Reliability Test side Law "and GB/T 14782-1993" Grader technical conditions "part. This standard and GB/T 8506-1987 and GB/T 16278-1996, the following changes.

--- The GB/T 8506-1987, GB/T 16278-1996 and GB/T 14782-1993 (part) combined in one standard Registration, content re-adjust the layout;

--- Measurement accuracy, mass and center of gravity measurements, speed, braking performance, traction performance, the size of the steering, the driver operating device driver Vision, noise and emissions requirements directly pressing the corresponding provisions of the standard;

--- Increased forward and reverse audible alarm sounds, surveillance mirrors and rear-view mirror, Falling Object Protective Structure (FOPS), ROPS (ROPS), cab environment, lighting, signs and signal lights and reflectors and other tests, measured according to the corresponding standards for direct Regulations;

--- Delete definitions of terms of reliability, directly JB/T 51099;

--- Test method for increasing the job content;

--- Increase in front axle drive content. The Standard Appendix A, Appendix B and Appendix C are normative appendix. The standard proposed by China Machinery Industry Federation. This standard by the national earthmoving machinery Standardization Technical Committee (SAC/TC334) centralized. This standard was drafted. Tianjin Institute of Mechanical Engineering, peak Heavenly Engineering Machinery Co., Ltd., Xuzhou Xugong Road Construction Machinery Co., the company. The main drafters of this standard. Yan , Wu Yun Cai, Wu Yu, Zhang Zhonghai, YUNG Man - sing. This standard replaces the standards previously issued as follows:

--- GB/T 8506-1987;

--- GB/T 16278-1996. Instead of the standard part of previous editions are.

--- GB/T 14782-1993. Grader Test Method

1 Scope

China's national test methods for graders. A motor grader is the machine that produces a finished surface - the road subgrade, the airfield, the levelled site - and it does so with a long blade slung between its axles that can be angled, tilted, rotated and shifted sideways, which is why it has more degrees of freedom in its working equipment than any other earthmoving machine. Testing one is therefore not simply a matter of power and speed. What determines whether a grader is any good is the precision and stability of the blade under load: the machine's frame flexes, the articulated ones flex at the hinge, and any of that appears in the surface as a wave. The reliability half of the programme matters equally, since a grader works long hours on abrasive material and its circle and drawbar wear. The standard specifies the test methods for grader performance and reliability, and applies to both rigid frame and articulated frame graders.

This standard specifies the grader performance and reliability of the test method. This standard applies to whole or hinged frame grader.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 6375 moving machinery traction test method (GB/T 6375-2008, ISO 7464. 1983, IDT)

GB/T 7920.9 moving machinery - Graders - Terminology and commercial specifications (GB/T 7920.9-2003, ISO 7134.1993, MOD)

GB/T 8499 moving machinery - Determination of the position of the center of gravity method (GB/T 8499-1987, idt ISO 5005. 1977)

GB/T 8592 moving machinery - Determination of turning machines tire size (GB/T 8592-2001, eqv ISO 7457.1997)

GB/T 8595 moving machinery operating device (GB/T 8595-2008, ISO 10968.2004, IDT)

GB/T 10913 speed measurement with moving machinery (GB/T 10913-2005, ISO 6014. 1986, MOD)

GB/T 16710.2 Determination of machinery - Stationary test conditions of exterior noise of

GB/T 16710.3 machinery - Measurement at the operator position of noise under test

conditions Determination of exterior noise under dynamic mechanical test conditions

GB/T 16710.4 Engineering (GB/T 16710.4-1996, eqv

ISO 6395. 1988) Under 16710.5 machinery - Dynamic test conditions at the location of the driver measured noise GB/T (GB/T 16710.5-1996, eqv ISO 6396.1996)

GB/T 17771 FOPS moving machinery - Laboratory tests and performance requirements (GB/T 17771-1999, eqv ISO 3449.1992)

GB/T 17922 ROPS moving machinery - Laboratory tests and performance requirements (GB/T 17922-1999, idt ISO 3471.1994) Part 2

GB/T 19933.2 moving machinery cab environment. air filter test (GB/T 19933.2-2005, ISO 10263-2.1994, IDT)