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ICS 43.020
CCS T 40

TCSAE

ASSOCIATION STANDARD

TCSAE 146-2020

Full scale automotive aerodynamic wind tunnel test - The method of automotive aerodynamic performance test

汽车整车空气动力学风洞试验 气动力风洞试验方法

(English Translation)

Issued on: August 7, 2020 **Implemented on: August 7, 2020**

Issued by: China Society of Automotive Engineers

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1 Foreword

TCSAE 146-2020 was issued by China Society of Automotive Engineers on 7 August 2020 and took effect the same day.

2 Scope

This standard specifies the requirements for the flow field quality, test equipment and instruments for the aerodynamic wind tunnel test of the whole vehicle, and recommends the aerodynamic test Standard operating conditions and test methods and procedures give an evaluation method for the validity of the test data, and the results obtained can be used as the aerodynamics of the whole vehicle the basis for evaluating and optimizing the design. This standard applies to real vehicles, namely passenger cars and light pickups with less than seven seats (including seven seats), and also applicable to vehicle models of corresponding sizes (Clay model, hard model, etc.), the weight and size are determined according to the wind tunnel scale and test capacity.

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3 Normative references

GB/T 3730.2-1996 - Road vehicle. Masses. Vocabulary and codes

GB/T 19234-2003 - Dimensional codes for passenger cars

4 About this standard

Issued by: China Society of Automotive Engineers

English translation: about 17 pages

Chinese original: about 25,288 characters

5 Classification and status

International classification (ICS): 43.020

Chinese Standard Classification (CCS): T 40

Prefix TCSAE: association standard, adopted voluntarily.

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