

HJ

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

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Replacing HJ/T 182-2005

Technical requirement for environmental labeling products Light-duty vehicles (English Translation)

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Foreword

To implement the "People's Republic of China Environmental Protection Law", reducing light vehicle production and use on the environment and human health Impact protection of environmental quality, safeguard human health, the development of this standard.

The standard for light-duty vehicles emissions, fuel consumption, interior noise, toxic materials and hazardous substances, body painting, can Proposed requirements for recycling and interior air quality and other aspects.

This standard of "environmental labeling products technical requirements for light vehicles" (HJ/T 182-2005) technical content has been revised, the main to change the following.

- Increased requirements for light vehicle pollutant emissions;
- Increased light vehicle fuel consumption requirements;
- Added Light Vehicle interior noise requirements;
- Increased light vehicle interior air quality requirements;
- Increased light vehicle body painting requirements;
- An increase in light vehicle material requirements for hazardous substances;
- Increased light vehicle recyclability requirements.

This standard applies to Chinese environmental product certification mark.

This standard is developed by the Ministry of Environmental Protection Science, Technology organization.

This standard was drafted. Ministry of Environmental Protection and Development Center.

This standard MEP January 13, 2014 for approval.

This standard since March 1, 2014 implementation date of the implementation of the place of HJ/T 182-2005.

The standard explanation by the Ministry of Environmental Protection.

This standard replaces the standards previously issued as follows.

--HBC 8-2001, HJ/T 182-2005.

Environmental labeling products technical requirements for light vehicles

1 Scope

This standard specifies the terms and definitions of light vehicles eco-labeled products, basic requirements, technical contents, and testing methods.

This standard is applicable to spark ignition engines, compression ignition engine as the driving force, the maximum design speed is greater than or equal to 50 km/h light car.

2 Normative references

The standard content of the following documents cited in the articles. For undated references, the effective version applies to this standard.

GB 18352.5 light vehicle emission limits and measurement methods (China Phase V) GB 27999-2011 passenger car fuel consumption evaluation methods and indicators GB/T 15089 classification of motor vehicles and trailers GB/T 18697-2002 Acoustics - Measurement of noise inside motor vehicles GB/T 19233-2008 light vehicle fuel consumption test method GB/T 19515 Road vehicles reusability and recyclability calculation methods GB/T 27630-2011 within the passenger air quality assessment guidelines HJ/T 400-2007 interior volatile organic compounds and methods for determination of aldehydes and ketones sampling

3 Terms and Definitions

GB/T 15089 established, and the following terms and definitions apply to this standard.

Light vehicle light-duty vehicles the maximum total mass of not more than 3500 kg of category M1, M2 and N1 category class cars. (GB 18352.5)

4 Basic requirements

4.1

Product quality and safety performance should be consistent with the relevant standards.

4.2

Pollutant emissions should conform with pollutant emission standards nationally or locally.

4.3

products manufacturing enterprises in the production process should strengthen cleaner production, cleaner production and meet the appropriate standards.

5 Technical contents

Requirements 5.1 pollutant emissions Light vehicle emission limits should be consistent with the requirements of GB 18352.5.

5.2 Fuel consumption requirements

M1 category vehicle fuel consumption shall comply with GB 27999-2011 in the target vehicle fuel consumption requirements, only burning gaseous fuel or alcohol Class fuel vehicles do not apply this requirement.

5.3 Interior noise requirements

5.3.1

M1 class vehicles at 60 km/h constant speed car noise should not exceed 65 dB (A).

5.3.2

M2 class car at 60 km/h constant speed car noise should not exceed 67 dB (A).

5.4 Car air quality requirements

Light vehicle interior air quality should be consistent with GB/T 27630-2011 requirements.

5.5 Body painting requirements

5.5.1

automotive coatings and use tables can not be artificially added substances listed in 1.

Table 1 automotive coatings and use shall not be artificially added substances

Project material

Volatile organic compounds, benzene, ethylene glycol monomethyl ether, ethylene glycol diethyl ether, ethylene glycol monomethyl ether acetate, ethylene glycol ethyl ether acetate, diethylene glycol monobutyl ether acetate Heavy metals and their compounds of mercury (Hg), arsenic (As), lead (Pb), cadmium (Cd), antimony (Sb), hexavalent chromium (Cr6)

5.5.2 respond to exhaust gas generated during the coating process is collected and processed.

5.5.3

respond to the oil and gas waste heat generated in the process heat recovery.

5.6 Requirements for hazardous substances

5.6.1

shall not contain asbestos fibers clutch plate material.

5.6.2

In addition to automotive components and materials containing lead alloys, batteries, lead-plated, chrome, additives (stabilizer), a mercury lamp, shall not the use of lead (Pb), mercury (Hg), cadmium (Cd) and hexavalent chromium (Cr6).

5.7 Recyclability requirements

Light cars recyclable utilization and re-utilization can not be less than specified in Table 2.

Table 2 recyclable utilization and recycling rate limits

project

Limit

The first stage

(Date of implementation of this standard) second stage (January 1, 2015) Recoverability rate 90% 95% can recycling rate of 80% to 85%

6 Test method

Detection 6.1 technology content 5.1 pollutant emissions carried out according to the method specified in GB 18352.5.

6.2 5.2 Technical content of the fuel consumption testing performed according to the method GB/T 19233-2008 requirements.

6.3 5.3 Technical Content interior noise detection method carried out according to GB/T 18697-2002 requirements.

Detecting air quality inside the technical content of 5.4 to 6.4 is carried out according to the method HJ/T 400-2007 requirements.

6.5 5.7 Technical Content recoverable utilization and can be calculated in accordance with the utilization of GB/T 19515 requirements.

6.6

in the technical contents of the other requirements of documentation review combined field inspection to verify.