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

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**Technical requirement for environmental labeling products.
Heavy-duty vehicles
(English Translation)**

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Foreword

To implement the Environmental Protection Law of the People's Republic of China, reduce the environmental impact of heavy-duty vehicles in production, use and scrapping and the impact of human health, improve environmental quality, and develop this standard.

This standard puts forward corresponding requirements for heavy vehicle pollutant discharge, energy consumption, recycling and reuse, and automobile coating production.

This standard is the first release.

This standard applies to China Environmental Labeling Product Certification.

This standard was formulated by the Science and Technology Standards Department of the Ministry of Environmental Protection.

The main drafting unit of this standard. Jinan Automobile Testing Center this standard was approved by the Ministry of Environmental Protection on July 3, 2012.

This standard has been implemented since October 1, 2012.

This standard is explained by the Ministry of Environmental Protection.

Environmental Labeling Products Technical Requirements Heavy Vehicles

1 Scope of application

This standard specifies the basic requirements, technical contents and inspection methods for environmentally-friendly products of heavy-duty vehicles.

This standard applies to heavy-duty vehicles.

2 Normative references

The terms in the following documents become the terms of this standard by reference to this standard. For undated references, the latest version applies to this standard.

GB 1495 Vehicle Accelerated Vehicle Outboard Noise Limit and Measurement Method GB 14762 Heavy-duty vehicle gasoline engine and vehicle exhaust pollutant emission limits and measurement methods (China III, IV order segment) GB/T 15089 Motor vehicle and trailer classification GB 17691 Vehicle Compression Ignition, Gaseous Fuel Ignition Engine and Vehicle Exhaust Pollutant Emission Limits and Measurement Methods (Medium Country III, IV, V stage) GB/T 18697 Acoustic car interior noise measurement method GB/T 19515 Road vehicle reusability and recyclability calculation method HJ/T 293 Cleaner Production Standard Automotive Manufacturing (painting) JT 711 operating bus fuel consumption limit and measurement method JT 719 Operating Truck Fuel Consumption Limits and Measurement Methods

3 Terms and definitions

The following terms and definitions apply to this standard.

3.1 Heavy-duty vehicles Heavy-duty vehicles

Refers to Class M and Class N vehicles with a maximum total mass of more than 3,500 kg. The definition of Class M and Class N vehicles is in accordance with GB/T 15089.

3.2 M1, M2, M3, N2 and N3 cars

M1, M2, M3, N2 and N3 cars [GB/T 15089 definition] the M1 class refers to a passenger vehicle that includes no more than nine seats, including the driver's seat.

The M2 class refers to a passenger car with more than nine seats including the driver's seat and a maximum total mass of 5000kg.

Car.

The M3 class refers to a passenger vehicle with more than nine seats including the driver's seat and a maximum total mass of more than 5000kg.

Class N2 refers to a cargo vehicle with a maximum total mass of more than 3,500 kg but

not exceeding 12,000 kg.

The N3 class refers to a cargo vehicle with a maximum total mass of more than 12,000 kg.

3.3 Maximum Total Mass (GVM) Gross Vehicle Mass

Refers to the maximum technically permissible quality proposed by the automobile manufacturer.

3.4 Recoverability rate

Percentage (mass percentage) of vehicle mass that can be recycled and/or reused in new vehicles [GB/T 19515 definition].

3.5 Recyclability rate

Percentage of mass (% by mass) of vehicles that can be reused and/or reused in new vehicles [GB/T 19515 definition].

4 Basic requirements

4.1

Products should meet the requirements of national mandatory standards and related standards.

4.2

The pollutant discharge of the product shall comply with the requirements of national or local pollutant discharge standards.

4.3

Product manufacturers should adopt clean production processes and meet the requirements of relevant standards.

5.1 Exhaust pollutants

5.1.1

Automotive exhaust pollutants installed in compression ignition and gas fuel ignition engines shall comply with the current implementation stage of GB 17691.

The requirements of the next phase.

5.1.2

Gasoline vehicle exhaust pollutants should meet the requirements of the next phase of the current implementation phase of GB 14762.

5.2.1 Accelerating the noise outside the car

Acceleration outside the vehicle noise should not exceed the limits specified in Table 1.

Table 1 Out-of-vehicle noise limits for vehicle acceleration

Automotive classification noise limit dB(A) M1 (GVM >3.5t) 74 M2 (3.5t ≤ GVM ≤ 5t),
M3 (GVM > 5t) P6 Test methods

6.1 The technical content of 5.1.1 is tested in accordance with the method specified in GB 17691.

The technical content of 5.1.2 is tested in accordance with the method specified in GB 14762.

6.2 The technical content 5.2.1 is tested in accordance with the method specified in GB 1495.

The technical content 5.2.2 is tested in accordance with the method specified in GB/T 18697.

6.3 Detection of technical content 5.3 Class M vehicles are carried out in accordance with the method specified in JT 711, and Class N vehicles are in accordance with JT 719.

The method is carried out.

6.4 The calculation of technical content 5.4 shall be carried out in accordance with the method specified in GB/T 19515.

6.5 Technical content Article 5.5 is assessed in accordance with HJ/T 293.