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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB 18285-2018
Replaces GB 18285-2005, HJ/T 240-2005

**Limits and Measurement Methods for Emissions from
Gasoline Vehicles under Two-Speed Idle Conditions and
Short Driving Mode Conditions**
汽油车污染物排放限值及测量方法
(双怠速法及简易工况法)

(English translation)

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Limits and Measurement Methods for Emissions from Gasoline Vehicles under Two-Speed Idle Conditions and Short Driving Mode Conditions

1 APPLICATION SCOPE

This Standard specifies the limits and measurement methods for emissions from gasoline vehicles under two-speed idle conditions, steady-state loaded mode, transient loaded mode and short transient loaded mode. This standard also prescribes the methods for visual inspection, OBD inspection and Evaporative Emission Control System (EECS) test of gasoline vehicles, and their determination criteria.

This Standard applies to inspection for new produced vehicle at end of production line, inspection for register vehicle and inspection for in-use vehicle. This Standard also applies to other vehicles equipped with positive ignition engine (PIE).

2 NORMATIVE REFERENCES

The following standards contain provisions which, through reference in this text, constitute provisions of this standard. For undated references, the latest edition of the referenced document applies.

- GB 5181-2001 Automotive emission - Terms and definitions
- GB 14762-2008 Limits and measurement methods for exhaust pollutants from gasoline engines of heavy-duty vehicles (III, IV)
- GB/T 15089-2001 Classification of power-driven vehicles and trailers
- GB 17691-2005 Limits and measurement methods for exhaust pollutants from compression ignition and gas fuelled positive ignition engines of vehicles (III, IV, V)
- GB 17691-2018 Limits and measurement methods for emissions from diesel fuelled heavy-duty vehicles (CHINA VI)
- GB 17930-2016 Gasoline for motor vehicles
- GB 18047-2017 Compressed natural gas as vehicle fuel
- GB 18352.3-2005 Limits and measurement methods for emissions from light-duty vehicles (III, IV)
- GB 18352.5-2013 Limits and measurement methods for emissions from light-duty vehicles (China 5)
- GB 18352.6-2016 Limits and measurement methods for emissions from light-duty vehicles (China 6)
- GB 19159-2012 Automotive liquefied petroleum gases

3 TERMS AND DEFINITIONS

For the purpose of this standard, the following terms and definitions apply.

3.1 Light-duty vehicle

“Light-duty vehicle” means the vehicle of category M₁, M₂ and N₁ with a maximum mass ≤ 3,500 kg.

3.2 Vehicle of category M₁, M₂ and N₁

According to GB/T 15089-2001,

Category M₁ refers to the passenger vehicle with ≤ 9 seats, including the driver's seat.

Category M₂ refers to the passenger vehicle with > 9 seats including the driver's seat, and the maximum mass ≤ 5,000 kg.



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