

**Republic of South Africa: Recently Gazetted and imminent vehicle emission
legislation: GRPE June 2005**

The following are direct transcripts of relevant sections of Government Gazettes issued during the past 18 months covering legislated vehicle emissions.

Passenger Cars : Category M1: Gazetted April 2005: Notice R270

4.2 Suppression of atmospheric pollution

4.2.1 The exhaust emission from the engine of a vehicle shall be such as to comply with the current applicable regulations promulgated under the Atmospheric Pollution Prevention Act, 1965 (Act 45 of 1965).

4.2.2 The gaseous and particulate emissions from the vehicle shall comply with the requirements of SABS ECE R83 *Uniform provisions concerning the approval of vehicles with regard to the emission of pollutants according to engine fuel requirements* to the level of ECE R83.02, except for the type V test (durability of pollution control devices), or

4.2.3 The gaseous and particulate emissions from the vehicle shall comply with the requirements of SANS 20083 *Uniform provisions concerning the approval of vehicle with regard to the emissions of pollutants according to engine fuel requirements* to the level of ECE R83.04.

Note: operative dates

ECE 83.02
New Homologations: Feb 2005

ECE 83.04
New homologations Jan 2006
New Vehicles manufactured Jan 2008

Light Commercial Vehicles : Category N1: Gazetted April 2005: Notice R270

4.2 Suppression of atmospheric pollution

4.2.1 The exhaust emission from the engine of a vehicle shall be such as to comply with the current applicable regulations promulgated under the Atmospheric Pollution Prevention Act, 1965 (Act 45 of 1965).

4.2.2 The gaseous and particulate emissions from the vehicle shall comply with the requirements in SABS ECE R83, *Uniform provisions concerning the approval of vehicles with regard to the emission of pollutants according to engine fuel requirements*, to the level of ECE R83.02, except for the type V test (durability of pollution control devices), or

4.2.3 The gaseous and particulate emissions from the vehicle shall comply with the requirements of SANS 20083 *Uniform provisions concerning the approval of vehicles with regard to the emissions of pollutants according to engine fuel requirements* to the level of ECE R83.04

Note: operative dates

ECE 83.02
New Homologations: Feb 2005

ECE 83.04
New homologations Jan 2006
New Vehicles manufactured Jan 2008

Heavy Commercial Vehicles and Passenger Vehicles : Category N2,N3 and M2,M3: Gazetted April 2005: Gazettes R271 and R273

4.2 Suppression of atmospheric pollution

4.2.1 The exhaust emission from the engine of a vehicle shall be such as to comply with the current applicable regulations promulgated under the Atmospheric Pollution Prevention Act, 1965 (Act 45 of 1965).

4.2.2 The gaseous and particulate emissions from the vehicle shall comply with the requirements of at least one of the following:

4.2.2.1 SANS 20049:2004 *Uniform provisions concerning the approval of compression-ignition(C.I.)and natural gas (NG) engines as well as positive-ignition(P.L) engines fuelled with liquefied petroleum gas (LPG) and vehicles equipped with C.I. and NG engines fuelled with LPG, with regard to the emissions of pollutants by the engine to the level of ECE R49.02B, or*

4.2.2.2 United States Regulations.

Engines which operate on diesel, liquefied petroleum gas, the technical requirements of USA Code of Federal Regulations, Part 86- Control of air pollution from new and in-use motor vehicles and new and used motor vehicle engines certification and test procedures-Subpart A 40 CFR 86.098-11 Emissions standards for 1998 and later year diesel heavy-duty engines and vehicles; and Subpart N 40 CFR 86.1300 series-Emissions Regulations for new Otto-cycle and diesel heavy-duty engines; gaseous and particulate exhaust test procedures, are deemed to be equivalent to the technical requirements of this standard.

Engines which operate on petrol, and which comply with the technical requirements of the USA Code of Federal Regulations, Part 86-Control of air pollution from new and in-use motor vehicles and new and in-use motor vehicle engines certification and test procedures - Subpart A 40 CFR 86.096-10 Emissions standard for 1996 and the later model year Otto-cycle heavy-duty engines and vehicles; and Subpart N 40 CFR 86.1300 series - Emissions Regulations for new Otto-cycle and diesel heavy-duty engines; gaseous and particulate exhaust test procedures, will be accepted as complying with this standard., or

4.2.2.3 Japanese Standards

The Japanese Exhaust Emission Standards for 'light-duty vehicles' and the 1998 Japanese Exhaust Emissions Standards for 'medium-duty vehicles', as detailed in the 'Safety Regulations for Road Vehicles', Japanese Ministry of Transport Ordinance No.67 of 28 July 1951, Article 31, as amended by Ordinance No.4 of 19 January 1996. The Japanese Exhaust Emission Standards for 'Heavy-duty vehicles', as detailed in the 'Safety Regulations for Road Vehicles', Japanese Ministry of Transport Ordinance No. 67 of 28 July 1951, Article 31, as amended by Ordinance No. 22 of 31 March 1997.

Note; For vehicles certified to Japanese requirements, the following definitions apply; Light-duty vehicles: vehicles with a GVW over 2.5t and not more than 3.5t. Medium-duty vehicles: vehicles with a GVW over 3.5t and not more than 12t. Heavy-duty vehicles: vehicles with a GVW over 12t or

4.2.2.4 Australian Design Rules.

Australian Design Rule ADR 80/00, Emission Control for Heavy Vehicles.

Note: operative dates

New homologations: Jan 2006

New Vehicles manufactured: Jan 2010

Agricultural Tractors: Gazetted 20 February 2004 : Government Notice R. 209

4.2 Suppression of atmospheric pollution

4.2.1 The exhaust emission from the engine of an agricultural tractor shall be such as to comply with the current applicable regulations promulgated under the Atmospheric Pollution Prevention Act, 1965 (Act 45 of 1965).

4.2.2 The exhaust emission from the engine of an agricultural tractor shall comply with SANS 20096/ECE R96, *Uniform provisions concerning the approval of compression ignition (C.I.) engines to be installed in agricultural and forestry tractors and in non-road mobile machinery with regard to the emissions of pollutants by the engine*, equivalent to ECE R96 up to and inclusive of the 01 series of amendments that came into force on 16 September 2001.

Note: Operative dates

SANS 20096: 2 years after final gazetting (homologations), 5 years after gazetting (vehicles manufactured).

SA Representatives at GRPE

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