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► **B**     **DIRECTIVE 2000/30/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL**  
                  **of 6 June 2000**  
                  **on the technical roadside inspection of the roadworthiness of commercial vehicles circulating in**  
                  **the Community**

(OJ L 203, 10.8.2000, p. 1)

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**DIRECTIVE 2000/30/EC OF THE EUROPEAN PARLIAMENT  
AND OF THE COUNCIL**

**of 6 June 2000**

**on the technical roadside inspection of the roadworthiness of  
commercial vehicles circulating in the Community**

THE EUROPEAN PARLIAMENT AND THE COUNCIL OF THE  
EUROPEAN UNION,

Having regard to the Treaty establishing the European Community, and  
in particular Article 71(1)(c) and (d) thereof,

Having regard to the proposal from the Commission <sup>(1)</sup>,

Having regard to the opinion of the Economic and Social  
Committee <sup>(2)</sup>,

After consulting the Committee of the Regions,

Acting in accordance with the procedure laid down in Article 251 of  
the Treaty <sup>(3)</sup>,

Whereas:

- (1) The growth of traffic presents all Member States with safety and environmental problems of a similar nature and seriousness.
- (2) It is in the interest of road safety, environmental protection and equitable competition that commercial vehicles should be used only if they are maintained to a high degree of technical roadworthiness.
- (3) In accordance with Directive 96/96/EC of 20 December 1996 on the approximation of the laws of the Member States relating to roadworthiness tests for motor vehicles and their trailers <sup>(4)</sup>, commercial vehicles undergo an inspection by an authorised body every year.
- (4) Article 4 of Directive 94/12/EC <sup>(5)</sup> provides for a multi-directional approach to the cost/effectiveness aspects of the measures intended to reduce the pollution caused by road transport; whereas the European 'Auto-oil I' programme incorporated that approach and gave an objective assessment of all the most profitable measures in the fields of vehicle technology, fuel quality, monitoring and maintenance as well as non-technical measures, in order to reduce emissions by road transport.
- (5) In view of that approach, the European Parliament and the Council adopted Directive 98/70/EC <sup>(6)</sup>, intended to improve fuel quality and, with a view to laying down stricter emission

<sup>(1)</sup> OJ C 190, 18.6.1998, p. 10, and OJ C 116E, 26.4.2000, p. 7.

<sup>(2)</sup> OJ C 407, 28.12.1998, p. 112.

<sup>(3)</sup> Opinion of the European Parliament of 9 February 1999, (OJ C 150, 28.5.1999, p. 27), Council Common Position of 2 December 1999 and Decision of the European Parliament of 14 March 2000 (not yet published in the Official Journal). Council Decision of 13 April 2000.

<sup>(4)</sup> OJ L 46, 17.2.1997, p. 1. Directive as amended by Commission Directive 1999/52/EC (OJ L 142, 5.6.1999, p. 26).

<sup>(5)</sup> Directive 94/12/EC of the European Parliament and of the Council of 23 March 1994 relating to measures to be taken against air pollution by emissions from motor vehicles and amending Directive 70/220/EEC (OJ L 100, 19.4.1994, p. 42).

<sup>(6)</sup> Directive 98/70/EC of the European Parliament and of the Council of 13 October 1998 relating to the quality of petrol and diesel fuels and amending Council Directive 93/12/EEC (OJ L 350, 28.12.1998, p. 58).

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standards, Directive 98/69/EC <sup>(1)</sup>, for private motor cars and light commercial vehicles and Directive 1999/96/EC <sup>(2)</sup> for heavy goods vehicles.

- (6) This Directive forms part of the same approach, but it would appear to be more effective from the point of view of environmental protection not at this stage to tighten the standards laid down for roadworthiness tests in Directive 96/96/EC but to provide for technical roadside inspections in order to ensure application of that Directive throughout the year.
- (7) The regulated annual roadworthiness test is in fact considered not to be sufficient to guarantee that commercial vehicles tested are in roadworthy condition throughout the year.
- (8) Effective enforcement through targeted additional technical roadside inspection is an important cost-effective measure to control the standard of maintenance of commercial vehicles on the road.
- (9) Roadside roadworthiness inspections should be carried out without discrimination on grounds of the nationality of the driver or of the country of registration or entry into service of the commercial vehicle.
- (10) The method of inspection selection should be based on a targeted approach, giving greatest effort to identifying vehicles that seem most likely to be poorly maintained and thereby enhancing the authorities' operational effectiveness and minimising the costs and delays to drivers and operators.
- (11) In the event of serious deficiencies in a vehicle inspected it must be possible to ask the competent authorities of the Member State in which the vehicle is registered or in which the vehicle was brought into service to take appropriate measures and inform the requesting Member State of any follow-up measures taken.
- (12) The measures necessary for implementing this Directive shall be adopted in accordance with Council Decision 1999/468/EC of 28 June 1999 laying down the procedures for the exercise of implementing powers conferred on the Commission <sup>(3)</sup>.
- (13) In accordance with the subsidiarity and proportionality principles as set out in Article 5 of the Treaty, the objectives of the proposed action, namely to establish a regime of roadside inspections of commercial vehicles circulating in the Community, cannot be sufficiently achieved by the Member States and can, therefore, by reason of the scale of the action be better achieved by the Community; this Directive does not go beyond what is necessary for that purpose,

HAVE ADOPTED THIS DIRECTIVE:

*Article 1*

1. In order to improve road safety and the environment, the purpose of this Directive shall be to ensure that commercial vehicles circulating within the territories of the Member States of the Community comply more fully with certain technical conditions imposed by Directive 96/96/EC.

<sup>(1)</sup> Directive 98/69/EC of the European Parliament and of the Council of 13 October 1998 relating to measures to be taken against air pollution by emissions from motor vehicles and amending Council Directive 70/220/EEC (OJ L 350, 28.12.1998, p. 1).

<sup>(2)</sup> Directive 1999/96/EC of the European Parliament and of the Council of 13 December 1999 on the approximation of the laws of the Member States relating to measures to be taken against the emission of gaseous and particulate pollutants from compression ignition engines for use in vehicles, and the emission of gaseous pollutants from positive ignition engines fuelled with natural gas or liquefied petroleum gas for use in vehicles and amending Council Directive 88/77/EEC (OJ L 44, 16.2.2000, p. 1).

<sup>(3)</sup> OJ L 184, 17.7.1999, p. 23.

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2. This Directive establishes certain conditions for roadside inspections of the roadworthiness of commercial vehicles circulating within the territory of the Community.

3. Without prejudice to Community regulations, this Directive shall not, however, affect the Member States' right to carry out inspections not covered by this Directive or to check other aspects of road transport, in particular those relating to commercial vehicles. On the other hand, there is nothing to prevent a Member State, in the context of inspections not covered by the scope of this Directive, from checking the items listed in Annex I in places other than on the public highway.

*Article 2*

For the purposes of this Directive:

- (a) 'commercial vehicle' shall mean those motor vehicles and trailers defined in categories 1, 2 and 3 of Annex I to Directive 96/96/EC;
- (b) 'technical roadside inspection' shall mean an inspection of a technical nature, not announced by the authorities and therefore unexpected, of a commercial vehicle circulating within the territory of a Member State carried out on the public highway by the authorities, or under their supervision;
- (c) 'roadworthiness test' shall mean a test of a vehicle's technical roadworthiness as provided for in Annex II to Directive 96/96/EC.

*Article 3*

1. Each Member State shall introduce technical roadside inspections such as will achieve the objectives stated in Article 1 as regards commercial vehicles covered by this Directive, bearing in mind the national arrangements applicable to such vehicles under Directive 96/96/EC.

2. Every technical roadside inspection shall be carried out without discrimination on grounds of the nationality of the driver or of the country of registration or entry into service of the commercial vehicle, bearing in mind the need to minimise the costs and delays entailed for drivers and operators.

*Article 4*

1. A technical roadside inspection shall comprise one, two or all of the following aspects:

- (a) a visual assessment of the maintenance condition of the commercial vehicle when stationary;
- (b) a check on a recent roadside technical inspection report as referred to in Article 5 or on the documentation attesting to the vehicle's technical roadworthiness and in particular, in the case of a vehicle registered or put into service in a Member State, proof that the commercial vehicle has undergone a statutory technical roadworthiness test in accordance with Directive 96/96/EC;
- (c) an inspection for irregularities covering one, more than one or all of the items to be checked listed in Annex I, point 10.

2. An inspection of the braking systems and exhaust emissions shall be carried out in accordance with the rules laid down in Annex II.

3. Before carrying out an inspection of the items listed in Annex I, point 10, the inspector shall take into consideration the last roadworthiness certificate and/or a recent technical roadside inspection report which the driver may produce.

The inspector may also take into consideration any other safety certificate issued by an approved body, presented, where appropriate, by the driver.

Where these certificates and/or report prove that an inspection of one of the items listed in Annex I, point 10, has been carried out in the course of the preceding three months, that item shall not be checked

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again, except where justified in particular on the grounds of an obvious defect and/or irregularity.

*Article 5*

1. The technical roadside inspection report relating to the inspection referred to in Article 4(1)(c) shall be drawn up by the authority or inspector having carried it out. A specimen report is contained in Annex I, point 10 of which contains a checklist. The authority or inspector must tick the relevant boxes. The report must be given to the driver of the commercial vehicle.

2. If the authority or the inspector considers that deficiencies in the maintenance of a commercial vehicle may represent a safety risk such that, as regards the brakes in particular, further examination is justified, the commercial vehicle may be subjected to a more elaborate test at a testing centre in the vicinity, designated by the Member State, in accordance with Article 2 of Directive 96/96/EC.

If it becomes clear that a commercial vehicle presents a serious risk to its occupants or other road users either during the roadside inspection referred to in Article 4(1) or during the more elaborate test referred to in the first subparagraph of this paragraph, use of that vehicle may be prohibited until the dangerous deficiencies discovered have been rectified.

*Article 6*

Every two years, before 31 March, Member States shall communicate to the Commission the data collected relating to the previous two years concerning the number of commercial vehicles checked, classified by category in accordance with Annex I, point 6 and by the country of registration, and the items checked and defects noted, on the basis of Annex I, point 10.

The first data submitted shall cover a period of two years beginning on 1 January 2003.

The Commission shall forward this information to the European Parliament.

*Article 7*

1. Member States shall assist one another in applying this Directive. In particular, they shall provide each other with details of the office(s) responsible for carrying out the checks and of the names of contact persons.

2. Serious deficiencies in a commercial vehicle belonging to a non-resident, in particular those resulting in a ban on using the vehicle, shall be reported to the competent authorities of the Member State in which the vehicle is registered or has been put into service by means of the specimen report in Annex I, without prejudice to the prosecution in accordance with the legislation in force in the Member States in which the deficiency was recorded.

Without prejudice to Article 5, the competent authorities of the Member State in which a serious deficiency has been found in a commercial vehicle belonging to a non-resident may ask the competent authorities of the Member State in which the vehicle is registered or has been put into service to take appropriate measures with regard to the offender, for example submitting the vehicle to a further road-worthiness inspection.

The competent authorities to which such a request is made shall notify the competent authorities of the Member State in which the deficiencies of the commercial vehicle were found of any measures taken with regard to the offender.

▼B*Article 8*

Any amendments which are necessary to adapt Annex I or the technical standards defined in Annex II to technical progress shall be adopted in accordance with the procedure laid down in Article 9(2).

Such amendments must not, however, result in the scope of this Directive being extended.

*Article 9*

1. The Commission shall be assisted by the Committee on the Adaptation to Technical Progress set up pursuant to Article 8 of Directive 96/96/EC, hereinafter referred to as 'the Committee'.

2. Where reference is made to this paragraph, Articles 5 and 7 of Decision 1999/468/EC shall apply, in compliance with the provisions of Article 8 thereof.

The period provided for in Article 5(6) of Decision 1999/468/EC shall be laid down as three months.

3. The Committee shall adopt its rules of procedure.

*Article 10*

Member States shall draw up arrangements for the penalties applicable where a driver or operator fails to abide by the technical requirements verified on the basis of this Directive.

They shall take all necessary measures to ensure that these penalties are enforced. The penalties thus provided for shall be effective, proportionate and dissuasive.

*Article 11*

Within a year of receiving the data referred to in Article 6 from the Member States, the Commission shall submit to the Council a report on the application of this Directive together with a summary of the results achieved.

The first report shall cover the period of two years beginning on 1 January 2003.

*Article 12*

1. The Member States shall bring into force the laws, regulations and administrative provisions necessary for them to comply with this Directive ►C1 before 10 August 2002. ◀ They shall forthwith inform the Commission thereof.

2. When the Member States adopt those measures they shall include references to this Directive or shall add such references on their official publication. The Member States shall lay down the manner in which such references shall be made.

3. The Member States shall communicate to the Commission the texts of the provisions of national law that they adopt in the field governed by this Directive.

*Article 13*

This Directive shall enter into force on the day of its publication in the *Official Journal of the European Communities*.

*Article 14*

This Directive is addressed to the Member States.

▼ **B***ANNEX I***SPECIMEN TECHNICAL ROADSIDE INSPECTION REPORT INCORPORATING A CHECK-LIST****(Directive 2000/30/EC)**

1. Place of check .....
2. Date .....
3. Time .....
4. Vehicle nationality mark and registration number .....
5. Trailer/semi-trailer nationality mark and registration number .....
6. Class of vehicle .....
- (a)  Light goods vehicle (3,5 to 12 t)<sup>(1)</sup>
- (b)  Trailer<sup>(2)</sup>
- (c)  Road train<sup>(3)</sup>
- (d)  Bus or coach<sup>(4)</sup>
- (e)  Lorry (more than 12 t)<sup>(5)</sup>
- (f)  Semi-trailer<sup>(6)</sup>
- (g)  Articulated vehicle<sup>(7)</sup>
7. Undertaking carrying out transport/address .....
8. Nationality .....
9. Driver .....

<sup>(1)</sup> Motor vehicles with at least four wheels and used for the carriage of goods and having a maximum mass exceeding 3,5 t but not exceeding 12 t (category N2).

<sup>(2)</sup> Any vehicle intended to be coupled to a motor vehicle, with the exception of semi-trailers, which because of its design and equipment is used for the carriage of goods; trailers of a maximum mass exceeding 3,5 t but not exceeding 10 t (category O3); trailers of a maximum mass exceeding 10 t (category O4).

<sup>(3)</sup> Motor vehicle intended for the carriage of goods, with a maximum mass exceeding 3,5 t (categories N2 and N3) coupled to a trailer (categories O3 and O4).

<sup>(4)</sup> Motor vehicle with at least four wheels used for the carriage of passengers, comprising more than eight seats in addition to the driver's seat (categories M2 and M3).

<sup>(5)</sup> Motor vehicles with at least four wheels used for the carriage of goods and having a maximum mass exceeding 12 t (category N3).

<sup>(6)</sup> Any vehicle intended to be coupled to a motor vehicle in such a way that part of the semi-trailer rests on the motor vehicle and a substantial part of its weight or of the weight of its load is supported by that vehicle and which, because of its design and equipment, is used for the carriage of goods (categories O3 and O4).

<sup>(7)</sup> Towing vehicle coupled to a semi-trailer.

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## 10. Checklist:

	checked	not checked	failed
(a) braking system and components <sup>(1)</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(b) exhaust system <sup>(1)</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(c) smoke opacity (diesel) <sup>(1)</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(d) gaseous emissions (petrol, natural gas or liquefied petroleum gas (LPG)) <sup>(1)</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(e) steering linkages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(f) lamps, lighting and signalling devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(g) wheels/tyres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(h) suspension (visible defects)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(i) chassis (visible defects)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(j) tachograph (installation)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
▶ <sup>(1)</sup> (k) speed limitation device (installation and function)◀	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(l) evidence of fuel and/or oil spillage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 11. Result of inspection:

Ban on using the vehicle, which has serious defects

## 12. Miscellaneous/remarks

## 13. Authority/officer or inspector having carried out the inspection

Signature of testing authority/agent or inspector

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<sup>(1)</sup> These items shall be subject to specific tests and/or checks as laid down in Annex II to Directive 2000/30/EC.



**▼B***ANNEX II***RULES FOR TESTING AND/OR CHECKING BRAKING SYSTEMS AND EXHAUST EMISSIONS****1. Specific conditions concerning brakes**

It is required that every part of the braking system and its means of operation be maintained in good and efficient working order and be properly adjusted.

The vehicle's brakes must fulfil the following braking functions:

- (a) for motor vehicles and their trailers and semi-trailers, a service brake capable of slowing down the vehicle and of stopping it safely, rapidly and efficiently, whatever its conditions of loading and whatever the upward or downward gradient of the road on which it is moving;
- (b) for motor vehicles and their trailers and semi-trailers a parking brake capable of holding the vehicle stationary, whatever its condition of loading, and whatever the upward or downward gradient of the road;

**▼M1****2. Specific conditions concerning exhaust emissions***2.1. Motor vehicles equipped with positive-ignition (petrol) engines*

- (a) Where the exhaust emissions are not controlled by an advanced emission control system such as a three-way catalytic converter which is lambda-probe controlled:
  1. Visual inspection of the exhaust system in order to check that it is complete and in a satisfactory condition and that there are no leaks.
  2. Visual inspection of any emission control equipment fitted by the manufacturer in order to check that it is complete and in a satisfactory condition and that there are no leaks.

After a reasonable period of engine conditioning (taking account of manufacturers recommendations) the carbon monoxide (CO) content of the exhaust gases is measured when the engine is idling (no load).

The maximum permissible CO content in the exhaust gases is that stated by the vehicle manufacturer. Where this information is not available or where the Member States competent authorities decide not to use it as a reference value, the CO content must not exceed the following:

- (i) for vehicles registered or put into service for the first time between the date from which Member States required the vehicles to comply with directive 70/220/EEC <sup>(1)</sup> and 1 October 1986: CO — 4,5 % vol.
  - (ii) for vehicles registered or put into service for the first time after 1 October 1986 — 3,5 % vol.
- (b) Where the exhaust emissions are controlled by an advanced emission control system such as a three-way catalytic converter which is lambda-probe controlled:
    1. Visual inspection of the exhaust system in order to check that it is complete and in a satisfactory condition and that there are no leaks.
    2. Visual inspection of any emission control equipment fitted by the manufacturer in order to check that it is complete and in a satisfactory condition and that there are no leaks.
    3. Determination of the efficiency of the vehicles emission control system by measuring the lambda value and the CO content of the exhaust gases in accordance with section 4 or with the procedures proposed by the manufacturers and approved at the time of type-approval. For each of the tests the engine is conditioned in accordance with the vehicle manufacturers recommendations.

<sup>(1)</sup> OJ L 76, 9.3.1970, p. 1.

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## 4. Exhaust pipe emissions — limit values

The maximum permissible CO content in the exhaust gases is that stated by the vehicle manufacturer. Where this information is not available the CO content must not exceed the following:

## (i) Measurement at engine idling speed:

The maximum permissible CO content in the exhaust gases must not exceed 0,5 % vol. and for vehicles that have been type-approved according to the limit values shown in row A or row B of the table in section 5.3.1.4 of Annex I to Directive 70/220/EEC, as amended by Directive 98/69/EC<sup>(1)</sup> or later amendments the maximum CO content must not exceed 0,3 % vol. Where identification to Directive 70/220/EEC, as amended by Directive 98/69/EC is not possible then the above shall apply to vehicles registered or first put into service after 1 July 2002.

(ii) Measurement at high idle speed (no load), engine speed to be at least 2000 min<sup>-1</sup>:

CO content: maximum 0,3 % vol. and for vehicles that have been type-approved according to the limit values shown in row A or row B of the table in section 5.3.1.4 of Annex I to Directive 70/220/EEC, as amended by Directive 98/69/EC or later amendments the maximum CO content must not exceed 0,2 % vol. Where identification to Directive 70/220/EEC, as amended by Directive 98/69/EC is not possible then the above shall apply to vehicles registered or first put into service after 1 July 2002.

Lambda:  $1 \pm 0,03$  or in accordance with the manufacturer's specifications.

## (iii) For motor vehicles equipped with On-Board Diagnostic (OBD) systems in accordance with Directive 70/220/EEC (as amended by Directive 98/69/EC and subsequent amendments) Member States may, as an alternative to the test specified in (i), establish the correct functioning of the emission system through the appropriate reading of the OBD device and simultaneous checking of the proper functioning of the OBD system.

## 2.2. Motor vehicles equipped with compression-ignition (diesel) engines

## (a) Exhaust gas opacity to be measured during free acceleration (no load from idle up to cut-off speed) with gear lever in neutral and clutch engaged.

## (b) Vehicle preconditioning:

1. Vehicles may be tested without preconditioning although for safety reasons checks should be made that the engine is warm and in a satisfactory mechanical condition.

2. Except as specified in subparagraph (d)(5), no vehicle will be failed unless it has been preconditioned according to the following requirements:

(i) Engine shall be fully warm, for instance the engine oil temperature measured by a probe in the oil level dipstick tube to be at least 80 °C, or normal operating temperature if lower, or the engine block temperature measured by the level of infrared radiation to be at least an equivalent temperature. If, owing to vehicle configuration, this measurement is impractical, the establishment of the engines normal operating temperature may be made by other means, for example by the operation of the engine cooling fan.

(ii) Exhaust system shall be purged by at least three free acceleration cycles or by an equivalent method.

## (c) Test procedure:

1. Visual inspection of any emission control equipment fitted by the manufacturer in order to check that it is complete and in a satisfactory condition and that there are no leaks.

2. Engine and any turbocharger fitted, to be at idle before the start of each free acceleration cycle. For heavy-duty diesels, this means waiting for at least 10 seconds after the release of the throttle.

3. To initiate each free acceleration cycle, the throttle pedal must be fully depressed quickly and continuously (in less than one second)

(1) OJ L 350, 28.12.1998, p. 1.

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but not violently, so as to obtain maximum delivery from the injection pump.

4. During each free acceleration cycle, the engine shall reach cut-off speed or, for vehicles with automatic transmissions, the speed specified by the manufacturer or if this data is not available then two thirds of the cut-off speed, before the throttle is released. This could be checked, for instance, by monitoring engine speed or by allowing a sufficient time to elapse between initial throttle depression and release, which in the case of vehicles of category 1 and 2 of Annex I, should be at least two seconds.

## (d) Limit values

1. The level of concentration must not exceed the level recorded on the plate pursuant to Council Directive 72/306/EEC <sup>(1)</sup>.
2. Where this information is not available or where Member States' competent authorities decide not to use it as a reference, the level of concentration must not exceed the level stated by the manufacturer or the limit values of the coefficient of absorption that are as follows:

Maximum coefficient of absorption for:

- naturally aspirated diesel engines = 2,5 m<sup>-1</sup>,
- turbo-charged diesel engines = 3,0 m<sup>-1</sup>,
- a limit of 1,5 m<sup>-1</sup> shall apply to the following vehicles that have been type-approved according to the limit values shown in:

- (a) row B of the table in section 5.3.1.4 of Annex I to Directive 70/220/EEC, as amended by Directive 98/69/EC — (Light Duty Vehicle Diesel — Euro4);
- (b) row B1 of the tables in section 6.2.1 of Annex I to Directive 88/77/EEC, as amended by Directive 1999/96/EC — (Heavy Duty Vehicle Diesel — Euro4);
- (c) row B2 of the tables in section 6.2.1 of Annex I to Directive 88/77/EEC, as amended by Directive 1999/96/EC — (Heavy Duty Vehicle Diesel — Euro5);
- (d) row C of the tables in section 6.2.1 of Annex I to Directive 88/77/EEC, as amended by Directive 1999/96/EC — (Heavy Duty Vehicle--EEV);

or limit values in later amendments of Directive 70/220/EEC as amended by Directive 98/69/EC, or limit values in later amendments of Directive 88/77/EEC as amended by Directive 1999/96/EC, or equivalent values where use is made of equipment of a type different from that used for EC type-approval.

Where identification to section 5.3.1.4 of Annex I to Directive 70/220/EEC, as amended by Directive 98/69/EC or to section 6.2.1 of Annex I to Directive 88/77/EEC, as amended by Directive 1999/96/EC is not possible then the above shall apply to vehicles registered or first put into service after 1 July 2008.

3. Vehicles registered or put into service for the first time before 1 January 1980 are exempted from these requirements.
4. Vehicles shall only be failed if the arithmetic means of at least the last three free acceleration cycles are in excess of the limit value. This may be calculated by ignoring any measurement that departs significantly from the measured mean, or the result of any other statistical calculation that takes account of the scattering of the measurements. Member States may limit the number of test cycles.
5. To avoid unnecessary testing, Member States may, by way of exception from the provisions of paragraph 2.2(d)(4), fail vehicles which have measured values significantly in excess of the limit values after less than three free acceleration cycles or after the purging cycles (or equivalent) specified in subparagraph 2.2(b)2(ii). Equally to avoid unnecessary testing, Member States may, by way of exception from the provisions of 2.2(d)(4) pass vehicles which have measured values significantly below the limits after less than three free acceleration cycles or after the purging cycles (or equivalent) specified in subparagraph 2.2(b)2(ii).

<sup>(1)</sup> OJ L 190, 20.8.1972, p. 1.

**▼M1**2.3. *Test equipment*

Vehicle emissions are tested using equipment designed to establish accurately whether the limit values prescribed or indicated by the manufacturer have been complied with.

3. **Specific conditions concerning speed limiters**

- where possible, check whether speed limiter is fitted as required by Council Directive 92/6/EEC <sup>(1)</sup>,
- check validity of speed limiter plate,
- where practical, check that the seals of the speed limiter and, where appropriate, any other means of protecting the connections against fraudulent manipulation are intact,
- check wherever practical that the speed limitation device prevents vehicles mentioned in Article 2 and Article 3 of Directive 92/6/EEC from exceeding the prescribed values.

<sup>(1)</sup> OJ L 57, 2.3.1992, p. 27.