

**Changes to legislation:** There are outstanding changes not yet made to Regulation (EC) No 715/2007 of the European Parliament and of the Council. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

ANNEX I

EMISSION LIMITS

[<sup>F1</sup>TABLE 1

Euro 5 Emission Limits

Category		Reference values													
		Mass of carbon monoxide (CO) (g/km)		Mass of total hydrocarbons (THC) (g/km)		Mass of non-hydrocarbons (NMHC) (g/km)		Mass of oxides of nitrogen (NO <sub>x</sub> ) (g/km)		Combined mass of hydrocarbons and oxides of nitrogen (THC + NO <sub>x</sub> ) (g/km)		Mass of particulate matter (PM) (mg/km)		[ <sup>F3</sup> Number of particles (PN)] (#/km)	
		L <sub>1</sub> (mg/km)	L <sub>2</sub> (mg/km)	L <sub>3</sub> (mg/km)	L <sub>4</sub> (mg/km)	L <sub>2</sub> + L <sub>4</sub> (mg/km)	L <sub>5</sub> (mg/km)	L <sub>6</sub> (#/km)							
Class	PI	CI	PI	CI	PI	CI	PI	CI	PI	CI	PI	CI	PI	CI	
M	—	All	1 000	500	100	—	68	—	60	180	—	230	5,0/4,5	5,0/4,5	6,0 × 10 <sup>11</sup>
N <sub>1</sub>	I	RM ≤ 1 305	1 000	500	100	—	68	—	60	180	—	230	5,0/4,5	5,0/4,5	6,0 × 10 <sup>11</sup>
	II	1 305 < RM ≤ 1 760	1 810	630	130	—	90	—	75	235	—	295	5,0/4,5	5,0/4,5	6,0 × 10 <sup>11</sup>
	III	1 760 < RM	2 270	740	160	—	108	—	82	280	—	350	5,0/4,5	5,0/4,5	6,0 × 10 <sup>11</sup>
N <sub>2</sub>	—	All	2 270	740	160	—	108	—	82	280	—	350	5,0/4,5	5,0/4,5	6,0 × 10 <sup>11</sup>

a [<sup>F2</sup>

b [<sup>F2</sup>]

c Positive ignition particulate mass standards shall apply only to vehicles with direct injection engines.

Key: PI = Positive Ignition, CI = Compression Ignition]

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### Textual Amendments

- F1** Substituted by Commission Regulation (EC) No 692/2008 of 18 July 2008 implementing and amending Regulation (EC) No 715/2007 of the European Parliament and of the Council on type-approval of motor vehicles with respect to emissions from light passenger and commercial vehicles (Euro 5 and Euro 6) and on access to vehicle repair and maintenance information (Text with EEA relevance).
- F2** Deleted by Commission Regulation (EU) No 566/2011 of 8 June 2011 amending Regulation (EC) No 715/2007 of the European Parliament and of the Council and Commission Regulation (EC) No 692/2008 as regards access to vehicle repair and maintenance information (Text with EEA relevance).
- F3** Substituted by Commission Regulation (EU) No 459/2012 of 29 May 2012 amending Regulation (EC) No 715/2007 of the European Parliament and of the Council and Commission Regulation (EC) No 692/2008 as regards emissions from light passenger and commercial vehicles (Euro 6) (Text with EEA relevance).

*TABLE 2*

### Euro 6 Emission Limits

Category	Class	Reference limit values														
		Mass of carbon monoxide (CO) (kg)		Mass of total hydrocarbons (THC) (mg/km)		Mass of non-hydrocarbons (NMHC) (mg/km)		Mass of oxides of nitrogen (NO <sub>x</sub> ) (mg/km)		Combined mass of hydrocarbons and oxides of nitrogen (THC + NO <sub>x</sub> ) (mg/km)		Mass of particulate matter (PM) <sup>a</sup> (mg/km)		Number of particles (PN) (#/km)		
		L <sub>1</sub> (mg/km)	L <sub>2</sub> (mg/km)	L <sub>3</sub> (mg/km)	L <sub>4</sub> (mg/km)	L <sub>2</sub> + L <sub>4</sub> (mg/km)	L <sub>5</sub> (mg/km)	L <sub>6</sub> (#/km)								
PI	CI	PI	CI	PI	CI	PI	CI	PI	CI	PI <sup>b</sup>	CI	PI <sup>bc</sup>	CI			
M	—	All	1 000	500	100	—	68	—	60	80	—	170	4,5	4,5	6,0 × 10 <sup>11</sup>	6,0 × 10 <sup>11</sup>
N <sub>1</sub>	I	RM ≤ 1 305	1 000	500	100	—	68	—	60	80	—	170	4,5	4,5	6,0 × 10 <sup>11</sup>	6,0 × 10 <sup>11</sup>
	II	1 305 < RM	1 810	630	130	—	90	—	75	105	—	195	4,5	4,5	6,0 × 10 <sup>11</sup>	6,0 × 10 <sup>11</sup>

**a** A limit of 5,0 mg/km for the mass of particulate emissions applies to vehicles type approved to the emission limits of this table with the previous particulate mass measurement protocol, before 1.9.2011.

**b** Positive ignition particulate mass and number limits shall apply only to vehicles with direct injection engines.

**c** Until three years after the dates specified in Article 10(4) and (5) for new type approvals and new vehicles respectively, a particle number emission limit of 6,0 × 10<sup>12</sup> #/km shall apply to Euro 6 PI direct injection vehicles upon the choice of the manufacturer. Until those dates at the latest a type approval test method ensuring the effective limitation of the number of particles emitted by vehicles under real driving conditions shall be implemented.

Key: PI = Positive Ignition, CI = Compression Ignition]

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		$\leq 1$ 760														
	III	1 760 < RM	2 270	740	160	—	108	—	82	125	—	215	4,5	4,5	6,0 × 10 <sup>11</sup>	6,0 × 10 <sup>11</sup>
N <sub>2</sub>	—	All	2 270	740	160	—	108	—	82	125	—	215	4,5	4,5	6,0 × 10 <sup>11</sup>	6,0 × 10 <sup>11</sup>

**a** A limit of 5,0 mg/km for the mass of particulate emissions applies to vehicles type approved to the emission limits of this table with the previous particulate mass measurement protocol, before 1.9.2011.

**b** Positive ignition particulate mass and number limits shall apply only to vehicles with direct injection engines.

**c** Until three years after the dates specified in Article 10(4) and (5) for new type approvals and new vehicles respectively, a particle number emission limit of  $6,0 \times 10^{12}$  #/km shall apply to Euro 6 PI direct injection vehicles upon the choice of the manufacturer. Until those dates at the latest a type approval test method ensuring the effective limitation of the number of particles emitted by vehicles under real driving conditions shall be implemented.

Key: PI = Positive Ignition, CI = Compression Ignition]

TABLE 3

Emission limit for the evaporative emissions test

**Mass of Evaporative Emission (g/test)**

2,0

TABLE 4

Emission limit for the carbon monoxide and hydrocarbon tailpipe emissions after a cold start test

**Test temperature 266 K (−7 °C)**

Vehicle Category	Class	Mass of carbon monoxide (CO)L <sub>1</sub> (g/km)	Mass of hydrocarbons (HC)L <sub>2</sub> (g/km)
M	—	15	1,8
N <sub>1</sub>	I	15	1,8
	II	24	2,7
	III	30	3,2
N <sub>2</sub>		30	3,2

## ANNEX II

### Amendments to Directive 70/156/EEC

Directive 70/156/EEC is hereby amended as follows:

1. in Article 2 the following sentence shall be added after the last indent:

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If reference is made in this Directive to a separate Directive or Regulation it shall also include their implementing acts.;

2. the words ‘or Regulation’ shall be added after the words ‘separate Directive’ in the following provisions:

Article 2, first indent; Article 2, ninth indent; Article 2, tenth indent; Article 2, fourteenth indent; Article 3(1); Article 3(4); Article 4(1)(c); Article 4(1)(d); Article 5(5); Article 6(3); Article 7(2); Article 13(4); Article 13(5); Annex I, first subparagraph; Annex III, Part III; Annex IV, Part II, first paragraph; Annex V Section 1(a); Annex V Section 1(b); Annex V Section 1(c); Annex VI, Side 2 of EC vehicle type-approval certificate; Annex VII(1), Section 4; Annex VII, footnote (1); Annex X, Section 2.1; Annex X, Section 3.3; Annex XI, Appendix 4, Meaning of letters: X; Annex XII, Section B(2); Annex XIV, Section 2(a); Annex XIV, Section 2(c); Annex XIV, Section 2(d);

3. the words ‘or Regulations’ shall be added after the words ‘separate Directives’ in the following provisions:

Article 2, eight indent; Article 3(1); Article 3(2); Article 4(1)(a) first and second indents; Article 4(1)(b); Article 4(3); Article 5(4) third subparagraph; Article 5(6); Article 8(2); Article 8(2)(c); Article 9(2); Article 10(2); Article 11(1); Article 13(2); Article 14(1)(i); List of Annexes: title of Annex XIII; Annex I, first subparagraph; Annex IV, Part I, first and second lines; Annex IV, Part II, footnote (1) to the table; Annex V Section 1(b); Annex V Section 3; Annex V Section 3(a); Annex V Section 3(b); Annex VI, points 1 and 2; Annex VI, Side 2 of EC vehicle type-approval certificate; Annex X, Section 2.2; Annex X, Section 2.3.5; Annex X, Section 3.5; Annex XII, title; Annex XIV, Section 1.1; Annex XIV, Section 2(c);

4. the words ‘or Regulation’ shall be added after the word ‘Directive’ in the following provisions:

Article 5(3) third subparagraph; Annex IV, Part I, footnote X to the table; Annex VI, Side 2 of EC vehicle type-approval certificate the heading of the tables; Annex VII(1) Section 2; Annex VII(1) Section 3; Annex VII(1) Section 4; Annex VIII, Sections 1, 2, 2.1, 2.2, and 3; Annex IX, Side 2 for complete or completed vehicles of category M<sub>1</sub> points 45, 46.1 and 46.2; Annex IX, Side 2 for complete or completed vehicles of categories M<sub>2</sub> and M<sub>3</sub> points 45 and 46.1; Annex IX, Side 2 for complete or completed vehicles of categories N<sub>1</sub>, N<sub>2</sub> and N<sub>3</sub> points 45 and 46.1; Annex IX, Side 2 for incomplete vehicles of category M<sub>1</sub> points 45 and 46.1; Annex IX, Side 2 for incomplete vehicles of categories M<sub>2</sub> and M<sub>3</sub> points 45 and 46.1; Annex IX, Side 2 for incomplete vehicles of categories N<sub>1</sub>, N<sub>2</sub> and N<sub>3</sub> points 45 and 46.1; Annex X, footnote 2; Annex X Section 1.2.2; Annex XI, Appendix 4, Meaning of letters: N/A; Annex XV, the heading of the table;

The words ‘or Regulations’ shall be added after the word ‘Directives’ in the following provisions:

Annex IX, Side 2 for complete or completed vehicles of category M<sub>1</sub>; Annex IX, Side 2 for complete or completed vehicles of categories M<sub>2</sub> and M<sub>3</sub>; Annex IX, Side 2 for complete or completed vehicles of categories N<sub>1</sub>, N<sub>2</sub> and N<sub>3</sub>; Annex IX, Side 2 for incomplete vehicles of category M<sub>1</sub>; Annex IX, Side 2 for incomplete vehicles of categories M<sub>2</sub> and M<sub>3</sub>; Annex IX, Side 2 for incomplete vehicles of categories N<sub>1</sub>, N<sub>2</sub> and N<sub>3</sub>; Annex XV;

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5. in Article 8(2)(c) the words ‘or Regulation(s)’ shall be added after the word ‘Directive(s)’;
6. in Annex IV, part I, the heading of the table and point 2 shall be replaced by the following:

2.	Subject Emissions/ Access to information .../ ...	Directive/ Regulation number	Official Applicability										
			M <sub>1</sub>	M <sub>2</sub>	M <sub>3</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	O <sub>1</sub>	O <sub>2</sub>	O <sub>3</sub>	O <sub>4</sub>	
	L ..., EC (EC) p. ... No .../ ...	X <sup>a</sup>	X <sup>a</sup>		X <sup>a</sup>	X <sup>a</sup>							

**a** For vehicles with a reference mass not exceeding 2 610 kg. At the manufacturer's request may apply to vehicles with a reference mass not exceeding 2 840 kg.;

7. in Annex IV, part I, points 11 and 39 shall be deleted;
8. in Annex VII(4) the words ‘or Regulation’ shall be added after the words ‘in the case of a Directive’;
9. in Annex VII(5) the words ‘or Regulation’ shall be added after the words ‘the latest Directive’;
10. in Annex XI, Appendix 1, the heading of the table and point 2 shall be replaced by the following:

Item	Subject	Directive/ Regulation number	M <sub>1</sub> ≤ 2 500 <sup>(1)</sup> kg	M <sub>1</sub> > 2 500 <sup>(1)</sup> kg	M <sub>2</sub>	M <sub>3</sub>
2	Emissions/ Access to information .../...	.../.../EC (EC) No .../...	Q	G + Q	G + Q	

11. in Annex XI, Appendix 1, points 11 and 39 shall be deleted;
12. in Annex XI, Appendix 2, the heading of the table and point 2 shall be replaced by the following:

Item	Subject	Directive/ Regulation number	M <sub>2</sub>	M <sub>3</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	O <sub>1</sub>	O <sub>2</sub>	O <sub>3</sub>	O <sub>4</sub>
2	Emissions/ Access to information .../ ...	A EC (EC) No .../ ...	A		A	A					

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13. in Annex XI, Appendix 2, points 11 and 39 shall be deleted;
14. in Annex XI, Appendix 3, the heading of the table and point 2 shall be replaced by the following:

Item	Subject	Directive/ Regulation number	M <sub>3</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	O <sub>1</sub>	O <sub>2</sub>	O <sub>3</sub>	O <sub>4</sub>
2	Emissions/ Access.../ to EC information (EC) No .../ ...	Q		Q	Q					

15. in Annex XI, Appendix 3, point 11 shall be deleted;
16. in Annex XI, Appendix 4, the heading of the table and point 2 shall be replaced by the following:

Item	Subject	Directive/ Regulation number	Mobile crane of category N
2	Emissions/Access to information	.../.../EC (EC) No .../...	N/A

17. in Annex XI, Appendix 4, point 11 shall be deleted.

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### Changes and effects yet to be applied to :

- Ch. 4 heading words substituted by S.I. 2022/1273 reg. 49(6)
- Annex 2 omitted by S.I. 2022/1273 reg. 49(12)
- Art. 2 words substituted by S.I. 2022/1273 reg. 49(2)
- Art. 4(1) words substituted by S.I. 2022/1273 reg. 49(4)(a)
- Art. 4(2) words omitted by S.I. 2022/1273 reg. 49(4)(b)
- Art. 4(4) substituted by S.I. 2022/1273 reg. 49(4)(c)
- Art. 5(3) words substituted by S.I. 2022/1273 reg. 49(5)
- Art. 10 words substituted by S.I. 2022/1273 reg. 49(7)(a)
- Art. 10(1) words substituted by S.I. 2022/1273 reg. 49(7)(b)
- Art. 10(2) words substituted by S.I. 2022/1273 reg. 49(7)(c)
- Art. 10(3) words substituted by S.I. 2022/1273 reg. 49(7)(d)(i)
- Art. 10(3) words substituted by S.I. 2022/1273 reg. 49(7)(d)(ii)
- Art. 10(4) words substituted by S.I. 2022/1273 reg. 49(7)(c)
- Art. 10(5) words substituted by S.I. 2022/1273 reg. 49(7)(d)(i)
- Art. 10(5) words substituted by S.I. 2022/1273 reg. 49(7)(d)(ii)
- Art. 10(6) words substituted by S.I. 2022/1273 reg. 49(7)(e)
- Art. 11 words substituted by S.I. 2022/1273 reg. 49(8)(a)
- Art. 11(2) word substituted by S.I. 2022/1273 reg. 49(8)(b)
- Art. 12 omitted by S.I. 2022/1273 reg. 49(9)
- Art. 13 omitted by S.I. 2022/1273 reg. 49(9)
- Art. 14(1) words substituted by S.I. 2022/1273 reg. 49(10)(a)(i)
- Art. 14(1) words substituted by S.I. 2022/1273 reg. 49(10)(a)(ii)
- Art. 14(2) omitted by S.I. 2022/1273 reg. 49(10)(b)
- Art. 14(3) omitted by S.I. 2022/1273 reg. 49(10)(b)
- Art. 14(4) words substituted by S.I. 2022/1273 reg. 49(10)(c)(i)
- Art. 14(4) words substituted by S.I. 2022/1273 reg. 49(10)(c)(ii)
- Art. 14(5) words substituted by S.I. 2022/1273 reg. 49(10)(d)(i)
- Art. 14(5) words substituted by S.I. 2022/1273 reg. 49(10)(d)(ii)
- Art. 15 substituted by S.I. 2022/1273 reg. 49(11)
- Art. 16 omitted by S.I. 2022/1273 reg. 49(12)
- Art. 18(3) omitted by S.I. 2022/1273 reg. 49(13)

### Changes and effects yet to be applied to the whole legislation item and associated provisions

- Signature words omitted by S.I. 2022/1273 reg. 49(14)
- Art. 3(2) words substituted by S.I. 2022/1273 reg. 49(3)
- Art. 3(13) words substituted by S.I. 2022/1273 reg. 49(3)