Australian Government

Department of Infrastructure, Transport,
Regional Development, Communications and the Arts

i

October 2022

Standard[ii]	Date Introduced[iii]	Emission Limits of Source Standard[iv] (g/kWh - unless otherwise specified) CO	Emission Limits of Source Standard[v] (g/kWh - unless otherwise specified) HC	Emission Limits of Source Standard[vi] (g/kWh - unless otherwise specified) NO	Emission Limits of Source Standard[vii] (g/kWh - unless otherwise specified) PM	Source Standard / Emissions Test	Alternative Standards
ADR70/00	1/1/95 – 1/1/96	4.5	1.1	8.0	0.36	UN ECE Reg 49/02 13 mode ESC test (Euro I)	US EPA 91 and Japan 94 accepted as alternative standards. Superseded by ADR79/00 and ADR80/00
ADR80/00	1/1/02 – 1/1/03					Directive 1999/96/EC (Euro III):	US EPA 98 (model year 2000) accepted as alternative standard.
ESC Limit *ETC Limit*		2.1 5.45	0.66 0.78[viii]	5.0 5.0	0.10[ix] 0.16[x]	Euro Stationary Cycle (ESC); Euro Transient Cycle (ETC)	

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ADR80/02[xi]	1/1/07 – 1/1/08					Directive 2005/55/EC, 2005/78/EC & 2006/51/EC (Euro IV):	US EPA 2004 and Japan JE05 Long Term accepted as alternative standard
ESC Limit *ETC Limit*		1.5 4.0	0.46 0.55[xii]	3.5 3.5	0.02 0.03	Euro Stationary Cycle (ESC); Euro Transient Cycle (ETC)	
ADR80/03	1/1/10 – 1/1/11					Directive 2005/55/EC, 2005/78/EC & 2006/51/EC (Euro V):	US EPA 2007[xiv] and Japan JE05 Long Term accepted as alternative standards.
ESC Limit *ETC Limit*		1.5 4.0	0.46 0.55[xiii]	2.0 2.0	0.02 0.03	Euro Stationary Cycle (ESC); Euro Transient Cycle (ETC)	
ADR 80/04	1/11/24- 1/11/25					UN Regulation 49/06 (Euro VI, Stage C)	Euro VI Stage C or later, as adopted in EU Regulations 595/2009 and 582/2011
WHSC Limit *WHTC Limit*		1.5 4.0	0.13 0.16	0.4 0.46	0.01 0.01	Worldwide Harmonised Stationary Cycle (WHSC) and Worldwide Harmonised Transient Cycle (WHTC)	US EPA (Model Year 2013 or later); and Japanese Post Post New Long Term (2017 or later)

Smoke requirements for all diesel vehicles

Standard	Date introduced	Source standard / emissions tests	Other comments
ADR 30/00	1/7/76	UN ECE Reg 24/00	US EPA 74 and British Standard 141a:1971 accepted as alternative standards.
ADR 30/01	1/1/02 to 1/1/03	UN ECE Reg 24/03	US EPA 98 accepted as alternative standards. This standard is not applicable to vehicles that comply ADR 80/03 or later.

[i]   ADR80/xx also sets emission limits for LPG, NG and petrol heavy duty vehicles, but only the emission limits for diesel are listed in the table.

[ii]   To find the ADRs (except those prior to ADR80/00 which are now obsolete) follow these steps:
1. Go to www.legislation.gov.au
2. On the left of the homepage choose "Legislative Instruments – In force".
3. Under the Principal in force tab, click on "Ve" (for Vehicle).
The ADRs will be listed on the screen and you can open each of them individually to get the details.

[iii]   Where a date range is specified, first date applies to vehicle models <u>first</u> produced on or after that date, with all new vehicles required to comply by the second date.

[iv]   Emission limits for alternative standards may differ from that specified for the source (EC) standard

[v]   Emission limits for alternative standards may differ from that specified for the source (EC) standard

[vi]   Emission limits for alternative standards may differ from that specified for the source (EC) standard

[vii]   Emission limits for alternative standards may differ from that specified for the source (EC) standard

[viii]   Non-methane hydrocarbons

[ix]   Smaller engines are subject to more relaxed PM limits of 0.13 (ESC)

[x]   Smaller engines are subject to more relaxed PM limits of 0.21 (ETC).

[xi]   ADR80/02 has effectively replaced ADR80/01

[xii]   Non-methane hydrocarbons

[xiii]   Non-methane hydrocarbons

[xiv]   Full NOx requirements of US2007-10 standards not mandated (refer to ADR for details)