

EU Emission Standards for HD Diesel Engines, g/kWh (smoke in m<sup>-1</sup>)

Tier	Date	Test cycle	CO	HC	NO <sub>x</sub>	PM	Smoke	
Euro I	1992, < 85 kW	ECE R-49	4.5	1.1	8.0	0.612		
	1992, > 85 kW		4.5	1.1	8.0	0.36		
Euro II	October 1996		4.0	1.1	7.0	0.25		
	October 1998		4.0	1.1	7.0	0.15		
Euro III	October 1999 <i>EEVs only</i>		ESC & ELR	1.0	0.25	2.0	0.02	0.15
	October 2000		ESC & ELR	2.1	0.66	5.0	0.10 0.13*	0.8
Euro IV	October 2005	1.5		0.46	3.5	0.02	0.5	
Euro V	October 2008	1.5		0.46	2.0	0.02	0.5	
Euro VI	January 2013	1.5		0.13	0.5	0.01		

\* for engines of less than 0.75 dm<sup>3</sup> swept volume per cylinder and a rated power speed of more than 3,000 per minute. EEV is "Enhanced environmentally friendly vehicle".