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Lars Mårtensson, +46 31 3226527		2018-03-09	Open
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Emissions from Volvo's trucks

To facilitate emission calculation from transport, Volvo Trucks has summarised emission factors per litre fuel consumed. The summary is applicable primarily for trucks using standard diesel fuel. The stated values are based on certification measurements and can be used for outlined calculations. In an actual traffic situation the values vary due to individual conditions such as vehicle status, driving method, traffic situation etc.

Typical values, based on certification measurements, for the more common Volvo engines, with EU certification diesel fuel							[g/litre fuel]
	Law from	Volvo from	NO _x g/litre	PM g/litre	HC g/litre	CO g/litre	
Typical	1980		58±5	4±2	6±2	8±3	
Euro 0	1990	1987	41-44	1.5-1.7	1.5-1.8	3-6	
Euro 1	1993	1991	28-32	0.2-0.6	0.5-1.2	2-8	
Euro 2	1996	1993	25-28	0.2-0.5	0.4-1.0	1-7	
Euro 3, D6, 180-220	2001	2000	18	0.35	1.3	2.6	
Euro 3, D6, 250	2001	2000	18	0.25	1.3	2.6	
Euro 3, D7, 250	2001	2000	18	0.25	0.4	2.3	
Euro 3, D7, 290-310	2001	2000	18	0.30	0.4	2.3	
Euro 3, D9, 260	2001	2001	18	0.30	0.8	2.3	
Euro 3, D9, 300	2001	2001	18	0.35	0.8	2.3	
Euro 3, D9, 340-380	2001	2001	19	0.30	0.8	2.4	
Euro 3, D12, 340-420	2001	2000	19	0.25	0.8	2.4	
Euro 3, D12, 460	2001	2001	20	0.35	0.4	2.5	
Euro 3, D12, 500	2001	2001	20	0.30	0.4	2.5	
Euro 3, D16, 550	2001	2003	17	0,25	0,8	2,7	
Euro 3, D16, 610	2001	2003	17	0,25	0,8	3,9	
Euro 4	2006	2005	13	0,10	0,04	1,0	
Euro 5	2009	2005	7	0,10	0,00	1,2	
Euro 6	2013	2013	0,9	0,01	0,06	0,13	

Note: in order to be able to compare the same test cycle (steady state) was used up to Euro 5. For Euro 6 WHTC (transient) was used. Data from different cycles are not directly comparable.