

VOLVO PENTA

NO: 164010

EXHAUST EMISSION DECLARATION

TECHNICAL SPECIFICATION

Engine type: TAD1641GE
 Specification: B69252 / B69253
 Module No: 138052003
 Rated crankshaft power *): 484 kW
 Rated speed: 1500 rpm

*) Stand-by power without fan acc. to ISO 3046

TEST INFORMATION

Test conditions: 40 CFR part 89
 Test identification: 27001878
 Test date: May 19, 2004
 Test cycle: 5-mode US constant speed test cycle

EXHAUST EMISSIONS (weighted cycle)

CO (g/kWh)	1,15
HC (g/kWh)	0,12
NOx (g/kWh)	5,34
PM (g/kWh)	0,088

EXHAUST EMISSIONS (per cycle mode)

Mode	#	1	2	3	4	5	6	7	8
Power	(kW)	489,3	368,6	245,8	122,9	49,5			
NOx	(g/h)	2596	1919	1303	661	415			
HC	(g/h)	21	25	28	27	40			
CO	(g/h)	1354	508	110	81	144			
PM	(g/h)	74,8	35,5	17,8	12,7	14,7			
CO ₂	(g/h)	326329	241002	161625	87701	45264			
NOx	(ppm)	711	639	587	426	322			
HC	(ppm)	17	24	36	51	92			
CO	(ppm)	570	260	76	80	171			
CO ₂	(%)	8,62	7,74	7,02	5,45	3,39			
O ₂	(%)	8,85	10,07	11,05	13,2	16,04			

TA-Luft

Test identification: 27002201
 Test date: April 6, 2005

Mode	#	1	2	3	4
Power	(kW)	440,8	331,6	221,2	110,8
Nox (O ₂)	(mg/Nm ³)	1950	1933	1896	1656
HC (O ₂)	(mg/Nm ³)	15	23	43	72
CO (O ₂)	(mg/Nm ³)	578	210	114	213
PM (O ₂)	(mg/Nm ³)	30	17	19	21

* PM is calculated from multifilter measurements with AVL Smart Sampler.

SMOKE

Opacity (%): Acc: n.a., Lug: n.a., Peak: n.a.

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 Product Liability
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