

Annex D1-2 - Summary of Applied Technology Fractions

PC+LGV(1)	PC+LGV(1)					PC+LGV(3+4)				
	pre-Euro	Euro I	Euro II	Euro III	Euro IV	pre-Euro	Euro I	Euro II	Euro III	Euro IV
Tech Index #	1	10	13	23	24	1	9	15	18	28
Year										
1964-1981	100.00%									
1982	98.82%					1.1765%				
1983	100.00%					0.0000%				
1984	99.06%					0.9434%				
1985	99.18%					0.8163%				
1986	95.10%					4.9020%				
1987	93.43%					6.5663%				
1988	95.59%					4.4053%				
1989	96.97%					3.0340%				
1990	97.68%					2.3244%				
1991	98.99%					1.0107%				
1992	99.48%					0.5200%				
1993	99.4362%					0.5638%				
1994	99.5365%					0.4635%				
1995	38.3731%	60.7748%				0.2614%	0.5908%			
1996		99.7440%					0.2560%			
1997		19.7551%	80.1106%				0.1343%			
1998			99.5535%				0.4465%			
1999			98.8155%				0.3231%	0.8614%		
2000			98.0571%					1.9429%		
2001				98.2545%					1.7455%	
2002				99.5521%					0.4479%	
2003-2005				99.7133%					0.2867%	
2006-2026					99.7133%					0.2867%

Notes:

Value is sum of pre-Euro from LGV(3) and LGV(4) under PC+LGV(1)

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PC+LGV(3)	PC						PC+LGV(3)	PC					
	pre-Euro	pre-Euro w trap	pre-Euro w DOC	Euro I	Euro III	Euro IV	pre-Euro	pre-Euro w traps	pre-Euro w	Euro I	Euro II	Euro III	Euro IV
Tech Index #	170	171	172	173	175	176	178	179	180	181	182	183	184
Year													
1965-1975	100%												
1976	0%	100%											
1977	50.0000%		50.0000%										
1978	12.5000%	25.0000%	62.5000%										
1979	20.0000%	40.0000%	40.0000%										
1980	16.6667%	33.3333%	33.3333%					16.6667%					
1981	6.6667%	53.3333%	40.0000%										
1982	0%	57.1429%	42.8571%										
1983	42.8571%	7.1429%	28.5714%				7.1429%	14.2857%					
1984	33.3333%	33.3333%	22.2222%				0.0000%	11.1111%					
1985	7.6923%	34.6154%	23.0769%				11.5385%	11.5385%	11.5385%				
1986	15.0000%	20.8333%	4.1667%				15.8333%	39.1667%	5.0000%				
1987	7.1429%	7.5630%	4.6218%				16.8067%	56.3025%	7.5630%				
1988	9.4891%	13.1387%	4.3796%				12.4088%	56.2044%	4.3796%				
1989	8.7879%	16.9697%	5.4545%				15.4545%	46.6667%	6.6667%				
1990	7.4627%	17.0576%	5.5437%				17.9104%	43.4968%	8.5288%				
1991	11.0294%	22.5490%	10.5392%				15.6863%	30.6373%	9.5588%				
1992	6.6071%	8.0357%	5.7143%				29.4643%	36.9643%	13.2143%				
1993	9.4805%	9.8701%	8.3117%				24.4156%	32.9870%	14.9351%				
1994	12.8049%	9.2988%	11.2805%				20.4268%	31.5549%	14.6341%				
1995	5.1339%	3.3482%	3.7946%	43.5268%			6.9196%	8.9286%	6.2500%	22.0982%			
1996				62.5000%						37.5000%			
1997				74.4949%						25.5051%			
1998				57.7586%						42.2414%			
1999					1.3699%					52.0548%	46.5753%		
2000-2001											100.0000%		
2002						4.5455%						95.4545%	
2003						50.0000%						50.0000%	
2004-2006												100.0000%	
2007-2026													100.0000%

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PC+LGV(4)							
	pre-Euro	pre-Euro w trap	pre-Euro w DOC	Euro I	Euro II	Euro III	Euro IV
Tech Index #	178	179	180	181	182	183	184
Year							
1966-1983	100.0000%						
1984		100.0000%					
1985		100.0000%					
1986		87.5000%	12.5000%				
1987	22.2222%	72.2222%	5.5556%				
1988	22.5000%	70.0000%	7.5000%				
1989	22.1698%	66.5094%	11.3208%				
1990	24.6407%	66.0164%	9.3429%				
1991	30.3613%	60.5688%	9.0699%				
1992	25.7701%	61.9410%	12.2888%				
1993	28.7225%	56.7877%	14.4899%				
1994	30.2283%	50.7732%	18.9985%				
1995	9.0172%	13.8836%	5.3435%	71.7557%			
1996-1998				100.0000%			
1999				47.2756%	52.7244%		
2000-2001					100.0000%		
2002-2006						100.0000%	
2007-2026							100.0000%

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PLB	Diesel							LPG	
	pre-Euro	pre-Euro w Trap	pre-Euro w DOC	Euro I	Euro II	Euro III	Euro IV	Euro III	Euro IV
Tech Index #	186	187	188	189	190	191	192	18	28
Year									
1966-1984	100.0000%								
1985			100.0000%						
1986	100.0000%								
1987		100.0000%							
1988	6.3830%	61.7021%	31.9149%						
1989	8.6580%	44.1558%	47.1861%						
1990	12.9371%	39.1608%	47.9021%						
1991	12.1372%	38.5224%	49.3404%						
1992	12.3515%	43.9430%	43.7055%						
1993	13.2924%	52.7607%	33.9468%						
1994	13.9205%	39.2045%	46.8750%						
1995	3.5398%	5.7522%	11.0619%	79.6460%					
1996				100.0000%					
1997				100.0000%					
1998				75.7225%	24.2775%				
1999					100.0000%				
2000					100.0000%				
2001					89.8876%			10.1124%	
2002					13.2132%			86.7868%	
2003					5.7692%	22.6496%		71.5812%	
2004						28.4188%		71.5812%	
2005						28.4188%		71.5812%	
2006						21.3141%	7.1047%	53.6862%	17.8954%
2007-2026							28.4188%		71.5812%

Annex D1-2 - Summary of Applied Technology Fractions

LGV(6)	Diesel					
	pre-Euro	pre-Euro w DOC	Euro I	Euro II	Euro III	Euro IV
Tech Index #	120	121	122	127	128	132
Year						
1966-1980	100.0000%					
1981-1982		100%				
1983-1984	33.3333%	66.6667%				
1985	23.0769%	76.9231%				
1986	25.8621%	74.1379%				
1987	20.7951%	79.2049%				
1988	20.4918%	79.5082%				
1989	16.2573%	83.7427%				
1990	19.2410%	80.7590%				
1991	17.0684%	82.9316%				
1992	19.6908%	80.3092%				
1993	93.3123%	6.6877%				
1994	94.9409%	5.0591%				
1995	27.5480%	1.3395%	71.1124%			
1996			100.0000%			
1997			22.3560%	77.6440%		
1998-2000				100.0000%		
2001				79.1990%	20.8010%	
2002-2005					100.0000%	
2006					75.0000%	25.0000%
2007-2026						100.0000%

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HGV < 15t	Diesel						
	pre-Euro	pre-Euro w DOC	Euro I	Euro II	Euro III	Euro IV	Euro V
Tech Index #	123	124	125	126	129	130	131
Year							
1966-1980	100.0000%						
1981	33.3333%	66.6667%					
1982	0.0000%	100.0000%					
1983	50.0000%	50.0000%					
1984	28.0000%	72.0000%					
1985	26.6667%	73.3333%					
1986	20.2128%	79.7872%					
1987	22.3881%	77.6119%					
1988	17.1429%	82.8571%					
1989	16.4740%	83.5260%					
1990	15.6504%	84.3496%					
1991	15.6419%	84.3581%					
1992	33.6391%	66.3609%					
1993	97.0830%	2.9170%					
1994	97.7157%	2.2843%					
1995	29.6089%	0.1862%	70.2048%				
1996			100.0000%				
1997			21.9780%	78.0220%			
1998-2000				100.0000%			
2001				75.2500%	24.7500%		
2002-2005					100.0000%		
2006					75.0000%	25.0000%	
2007-2008						100.0000%	
2009						75.0000%	25.0000%
2010-2026							100.0000%

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HGV > 15t	Diesel						
	pre-Euro	pre-Euro w DOC	Euro I	Euro II	Euro III	Euro IV	Euro V
Tech Index #	153	155	154	157	159	160	161
Year							
1966-1975	100.0000%						
1976-1979		100.0000%					
1980	26.6667%	73.3333%					
1981	27.2727%	72.7273%					
1982	50.0000%	50.0000%					
1983	12.5000%	87.5000%					
1984	41.6667%	58.3333%					
1985	31.2715%	68.7285%					
1986	30.6773%	69.3227%					
1987	32.7846%	67.2154%					
1988	35.7466%	64.2534%					
1989	25.4433%	74.5567%					
1990	18.0347%	81.9653%					
1991	15.8214%	84.1786%					
1992	60.7819%	39.2181%					
1993	97.7236%	2.2764%					
1994	98.5752%	1.4248%					
1995	27.1554%	0.1549%	72.6897%				
1996			100.0000%				
1997			22.2447%	77.7553%			
1998-2000				100.0000%			
2001				84.2345%	15.7655%		
2002-2005					100.0000%		
2006					75.0000%	25.0000%	
2007-2008						100.0000%	
2009						75.0000%	25.0000%
2010-2026							100.0000%

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FBDD	Diesel										
	pre-Euro	pre-Euro w DOC	Euro I w DOC	Euro I w CRT	Euro II	Euro II w CRT	Euro II w VEC	Euro III	Euro III w CRT	Euro IV	Euro V
Tech Index #	216	217	219	225	220	221	227	222	223	224	226
Year											
1966-1994	100.0000%										
1995-1996		23.5135%	75.6290%	0.8575%							
1997-2000*	1.0000%		31.0649%	0.3522%	54.4855%	3.9184%	9.1790%				
2001					65.1279%	4.5994%	10.7742%	17.7063%	1.7924%		
2002-2005								90.8078%	9.1922%		
2006								68.1058%	6.8942%	25.0000%	
2007-2008										100.0000%	
2009										75.0000%	25.0000%
2010-2026											100.0000%

* Original data sum up to 99% only. The missing 1% of vehicles was added to Euro I for conservative considerations

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MC	Petrol	
	pre-Euro	Euro I
Tech Index #	263	266
Year		
1966-1998	100.0000%	
1999	73.1777%	26.8223%
2000-2026		100.0000%

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Taxi	Diesel					LPG		
	pre-Euro	pre-Euro w Trap	pre-Euro w DOC	Euro I	Euro II	Euro II	Euro III	Euro IV
Tech Index #	170	171	172	173	174	13	23	24
Year								
1966-1991	100.0000%							
1992		100.0000%						
1993		100.0000%						
1994	71.4286%	28.5714%						
1995	50.0000%		50.0000%					
1996				100.0000%				
1997				41.1765%		58.8235%		
1998				100.0000%				
1999				6.8592%	9.0253%	84.1155%		
2000					0.4115%	99.5885%		
2001-2002						100.0000%		
2003						64.4578%	35.5422%	
2004-2005							100.0000%	
2006-2026								100.0000%

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PrLB < 3.5t	Diesel						
	pre-Euro	pre-Euro w Trap	pre-Euro w DOC	Euro I	Euro II	Euro III	Euro IV
Tech Index #	178	179	180	181	182	183	184
Year							
1966-1983	100.0000%						
1984		100.0000%					
1985	100.0000%						
1986	25.0000%	75.0000%					
1987	100.0000%						
1988	33.3333%	66.6667%	0.0000%				
1989	25.0000%	50.0000%	25.0000%				
1990	100.0000%						
1991	100.0000%						
1992	19.0476%	45.2381%	35.7143%				
1993	15.7895%	52.6316%	31.5789%				
1994	17.1429%	55.7143%	27.1429%				
1995	9.5238%	7.9365%	3.1746%	79.3651%			
1996-1998				100.0000%			
1999				33.3333%	66.6666%		
2000-2001					100.0000%		
2002-2006						100.0000%	
2007-2026							100.0000%

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PrLB > 3.5t	Diesel							LPG	
	pre-Euro	pre-Euro w Trap	pre-Euro w DOC	Euro I	Euro II	Euro III	Euro IV	Euro III	Euro IV
Tech Index #	186	187	188	189	190	191	192	18	28
Year									
1966-1984	100.0000%								
1985	0.0000%	81.8182%	18.1818%						
1986	0.0000%	100.0000%							
1987	29.6296%	48.1481%	22.2222%						
1988	13.7931%	65.5172%	20.6897%						
1989	20.0000%	60.0000%	20.0000%						
1990	18.5185%	66.6667%	14.8148%						
1991	10.9890%	69.2308%	19.7802%						
1992	11.5942%	57.9710%	30.4348%						
1993	19.2982%	47.3684%	31.5789%					1.7544%	
1994	15.5914%	29.5699%	54.8387%						
1995	3.3255%	2.7027%	9.1892%	84.7826%					
1996				100.0000%					
1997				98.9632%				1.3699%	
1998				82.1918%	17.8082%				
1999					98.6301%			1.3699%	
2000					97.2222%			2.7778%	
2001					95.1613%			4.8387%	
2002					39.2857%			60.7143%	
2003					21.0526%	28.9474%		50.0000%	
2004-2005						50.0000%		50.0000%	
2006						37.5000%	12.5000%	37.5000%	12.5000%
2007-2026							50.0000%		50.0000%

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NFB (6)	Diesel						
	pre-Euro	pre-Euro w DOC	Euro I	Euro II	Euro III	Euro IV	Euro V
Tech Index #	120	121	122	127	128	132	133
Year							
1966-1971		100.0000%					
1972-1985	100.0000%						
1986		100.0000%					
1987	100.0000%						
1988	9.0909%	90.9091%					
1989	12.5000%	87.5000%					
1990	100.0000%						
1991	20.0000%	80.0000%					
1992	8.0460%	91.9540%					
1993	91.3669%	8.6331%					
1994	91.8605%	8.1395%					
1995	13.9041%	1.1538%	84.9421%				
1996			100.0000%				
1997			24.6862%	75.3138%			
1998-2000				100.0000%			
2001				82.5472%	17.4528%		
2002-2005					100.0000%		
2006					75.0000%	25.0000%	
2007-2008						100.0000%	
2009						75.0000%	25.0000%
2010-2026							100.0000%

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NFB (7)	Diesel						
	pre-Euro	pre-Euro w DOC	Euro I	Euro II	Euro III	Euro IV	Euro V
Tech Index #	123	124	125	126	129	130	131
Year							
1966-1978	100.0000%						
1979		100.0000%					
1980	66.6666%	33.3334%					
1981	50.0000%	50.0000%					
1982-1986		100.0000%					
1987	9.0909%	90.9091%					
1988	3.3333%	96.6667%					
1989	12.8205%	87.1795%					
1990	15.3226%	84.6774%					
1991	25.0000%	75.0000%					
1992	10.0478%	89.9522%					
1993	95.7317%	4.2683%					
1994	96.7480%	3.2520%					
1995	24.6308%	0.2950%	75.0742%				
1996			100.0000%				
1997			28.8390%	71.1610%			
1998-2000				100.0000%			
2001				81.5287%	18.4713%		
2002-2005					100.0000%		
2006					75.0000%	25.0000%	
2007-2008						100.0000%	
2009						75.0000%	25.0000%
2010-2026							100.0000%

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NFB (8)	Diesel						
	pre-Euro	pre-Euro w DOC	Euro I	Euro II	Euro III	Euro IV	Euro V
Tech Index #	153	155	154	157	159	160	161
Year							
1966-1971	100.0000%						
1972		100.0000%					
1973-1977	100.0000%						
1978		100.0000%					
1979-1983	100.0000%						
1984	88.8889%	11.1111%					
1985-1986	100.0000%						
1987	75.0000%	25.0000%					
1988	76.9231%	23.0769%					
1989	16.6667%	83.3333%					
1990-1991	100.0000%						
1992	7.4074%	92.5926%					
1993	100.0000%	0.0000%					
1994	93.3333%	6.6667%					
1995	51.2821%		48.7179%				
1996			100.0000%				
1997			25.4902%	74.5098%			
1998-2000				100.0000%			
2001				67.7632%	32.2368%		
2002-2005					100.0000%		
2006					75.0000%	25.0000%	
2007-2008						100.0000%	
2009						75.0000%	25.0000%
2010-2026							100.0000%

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FBSD	Diesel								
	pre-Euro	pre-Euro w DOC	Euro I w DOC	Euro I w CRT	Euro II	Euro II w CRT	Euro II w VEC	Euro IV	Euro V
Tech Index #	216	217	219	225	220	221	227	224	226
Year									
1966-1994	100.0000%								
1995-1996		100.0000%							
1997-2000			30.4243%	0.3449%	56.0096%	3.9554%	9.2657%		
2001-2006					80.9028%	5.7134%	13.3838%		
2007-2008								100.0000%	
2009								75.0000%	25.0000%
2010-2026									100.0000%