

Company cars – policy & trends

PROLIBIC workshop

18/09/2012



Intro

- Promoco

Within the PROMOCO project, the aim was to gather information on the impact of company cars on daily mobility.

- Prolibic

In the PROLIBIC project, company cars will be further explored from a more sustainable transport use perspective. The aim is to analyse the impact of recent fiscal policy measures on the environmental-friendliness of company cars.



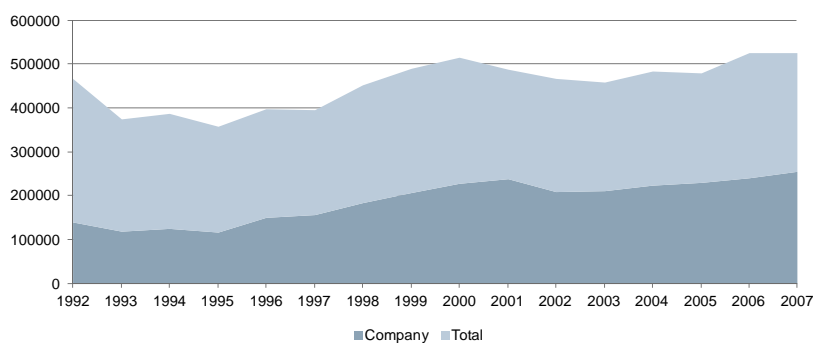
Research setup

- Approach
 - PLANET model does not include company cars
 - Alternative study to analyse the evolution of company cars with respect to environmental-friendliness
- Key questions
 - Which policy measures have been taken to improve the environmental-friendliness of company cars?
 - Measures 2010
 - New measures 2012
 - What is the impact of these measures?

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Trends pre-2010

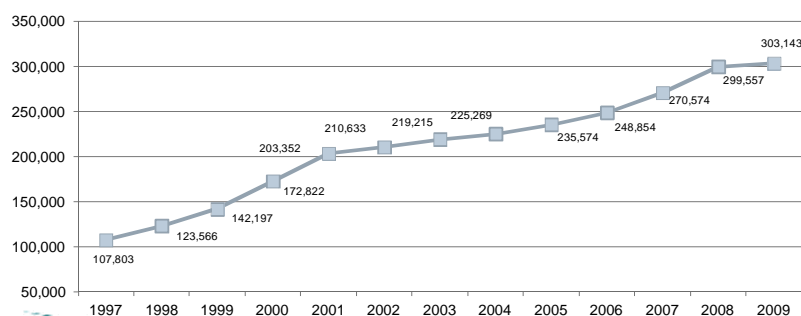


Evolution share of cars registered in name of a company in total amount of newly registered cars

Source: FGOV Mobility and Transport – Febiac, 2008.

Evolution car fleet LT rental contracts

Source: Renta, 2009 & Renta, 2010.



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New measures in 2010

As from 01/01/2010:

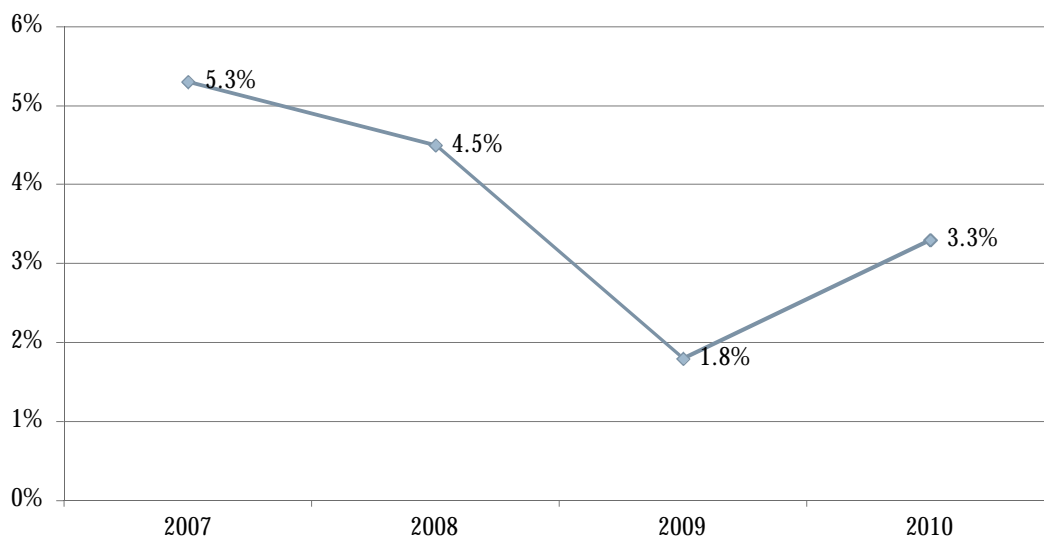
- Adjustment of solidarity contribution on CC in function of the CO₂ emission level of the vehicle
- Adjustment of the fiscal deductibility of company cars in function of the CO₂ emission level of the vehicle
- Calculating the 'benefit in kind' based on CO₂ emission level instead of on fiscal horsepower
- **Economic crisis 2009!!**

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Effects: fleet size

Average growth Belgian company car fleet

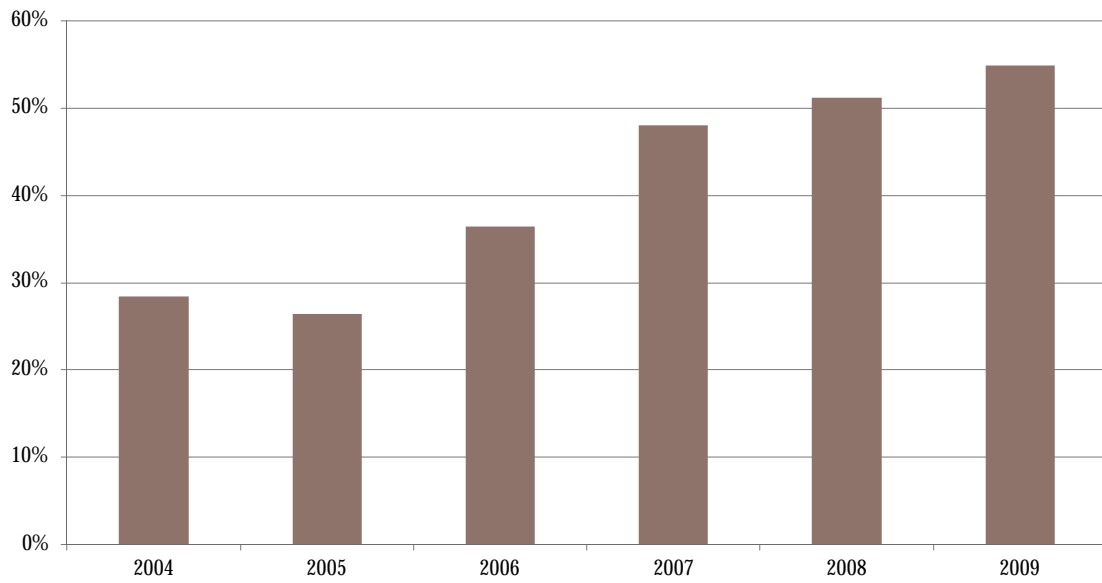


Source: CVO Barometer 2011, based on Febiac (2010).

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Evolution CO₂ gasoline <160g/km

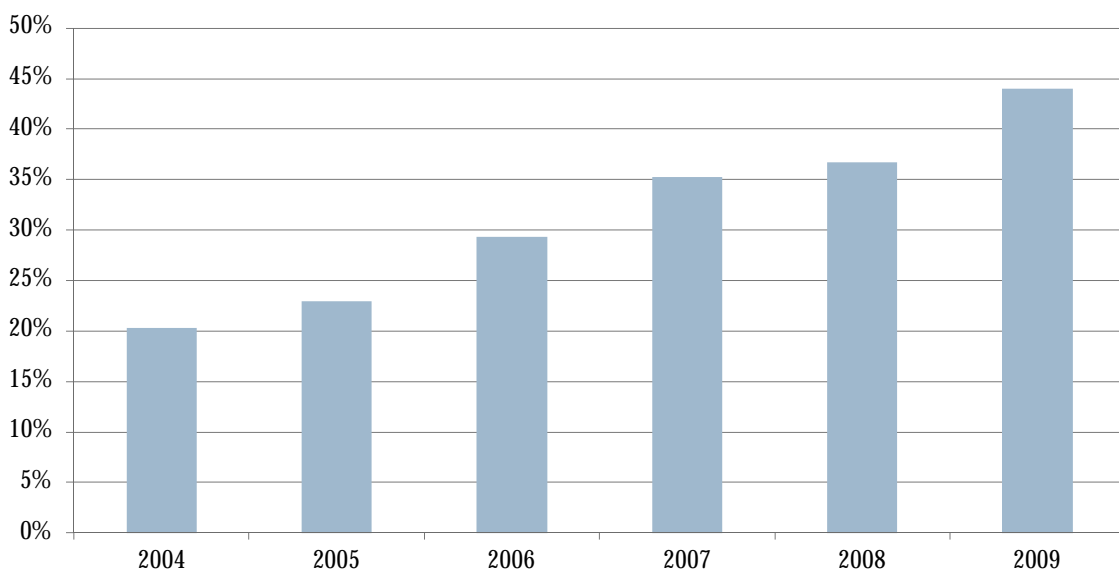


Source: Renta, 2010

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Evolution CO₂ diesel <145g/km

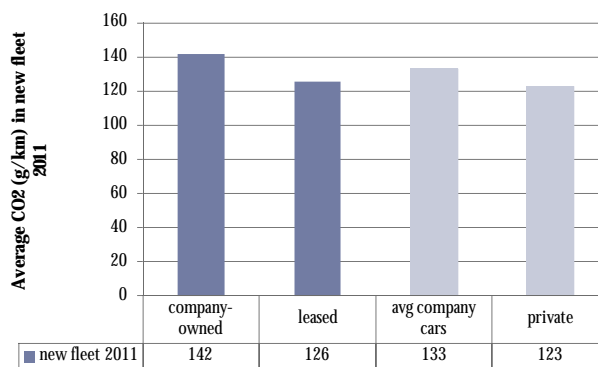
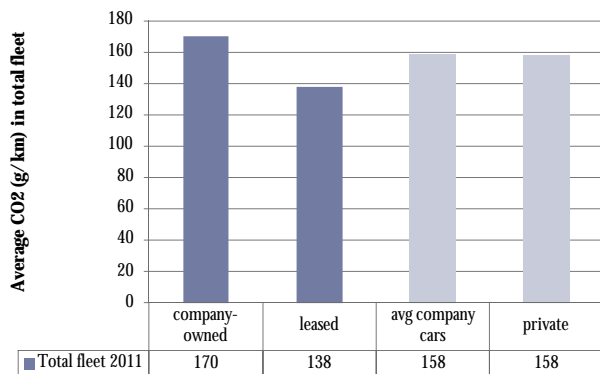


Source: Renta, 2010

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Average CO₂ in 2011



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Trends 2010-2011

- Growing attention for the environment triggered by:
 - Fiscal pressure on CO₂ emissions
 - Corporate social responsibility
 - Financial crisis
- Trends related to company cars
 - Increase company car fleet growth
 - Decrease average company car CO₂ emission levels
 - Leased CO₂ < company-owned CO₂

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New measures in 2012

As from 01/01/2012:

- Benefit in kind: combination of fuel type, CO₂ and list price:



$$BIK(\text{diesel}) = \frac{[\text{price} \times ((\text{CO}_2 - 95) \times 0.1) + 5.5] / 100 \times \frac{6}{7}}{12}$$

$$BIK(\text{gasoline, LPG, CNG}) = \frac{[\text{price} \times ((\text{CO}_2 - 115) \times 0.1) + 5.5] / 100 \times \frac{6}{7}}{13}$$

$$BIK(\text{electricity}) = \frac{(\text{price} \times 4 / 100) \times \frac{6}{7}}{13}$$

- Disallowed expenses: 17% of BIK

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New in 2012

- New index solidarity contribution:

$$SC(\text{diesel}) = 1.1641 \times \left[\frac{((\text{CO}_2 \times 9 \text{ EUR}) - 600)}{12} \right]$$

$$SC(\text{gasoline}) = 1.1641 \times \left[\frac{((\text{CO}_2 \times 9 \text{ EUR}) - 700)}{12} \right]$$

$$SC(\text{LPG, CNG}) = 1.1641 \times \left[\frac{((\text{CO}_2 \times 9 \text{ EUR}) - 900)}{12} \right]$$

$$SC(\text{electricity}) = 24.25 \text{ EUR}$$

- New registration tax (01/03/2012): FL, private and company-owned only

$$RIV = \left[\left(\frac{f \times \text{CO}_2 + a}{250} \right) \times 4500 + c \right] \times LC$$

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- ! Unchanged since 2010: corporate tax deductibility

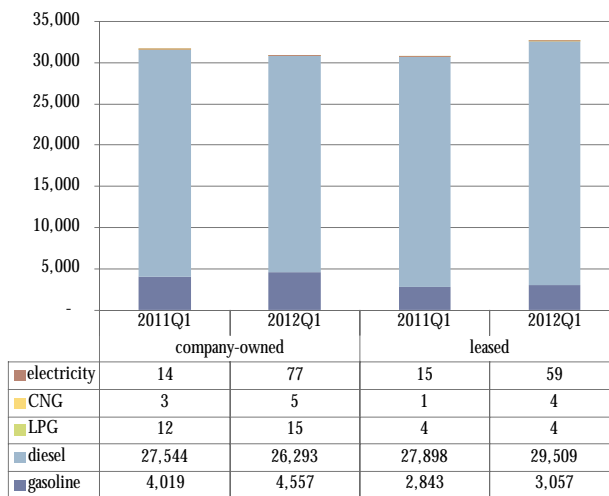
CO ₂ emission diesel (g/km)	CO ₂ emission gasoline/LPG/CNG (g/km)	CO ₂ emission 100% electric (g/km)	Fiscal deductibility (%)
0-60	0-60	0	120
61-105	61-105		100
106-115	106-125		90
116-145	126-155		80
146-170	156-180		75
171-195	181-205		70
>195	>205		60
			50

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Effects: new registrations Q1

- 2011 vs 2012



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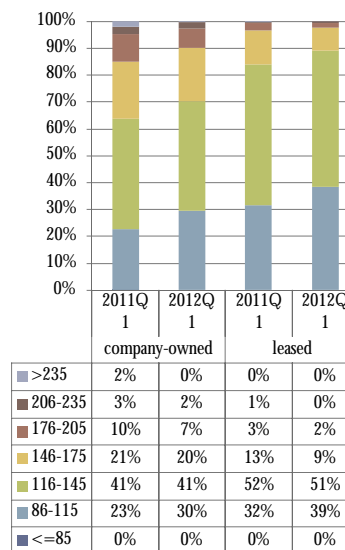
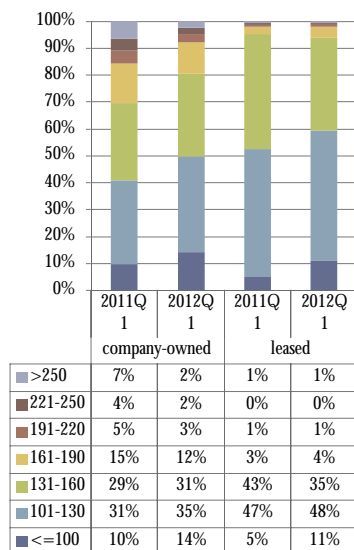


New registrations per CO₂ class

gasoline

vs

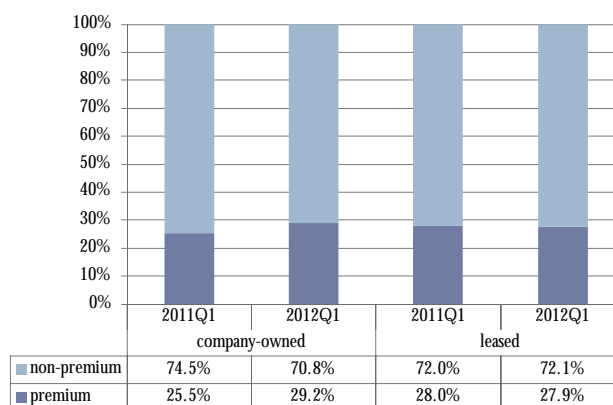
diesel



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% of premium



- Assumption: "premium" = Aston Martin, Audi, Bentley, BMW, Ferrari, Fisker, Infiniti, Jaguar, Lamborghini, Land Rover, Lexus, Lotus, Maserati, Maybach, McLaren, Mercedes, Porsche, Rolls-Royce and Tesla

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Remarks



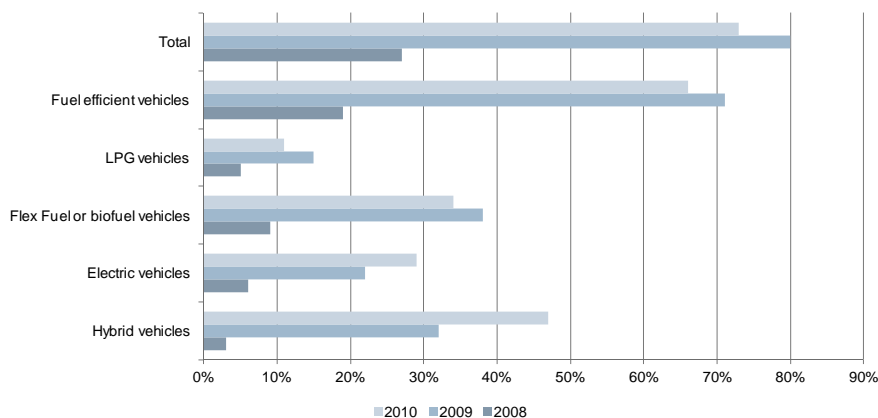
- Recent analysis, but recent developments as well
 - High % of cars delivered in 2012Q1 are ordered in 2011
 - Effects attributable to
 - Behavioral change?
 - Technological progress (e.g. CO₂)
- combination of measures & external factors

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Future prospects

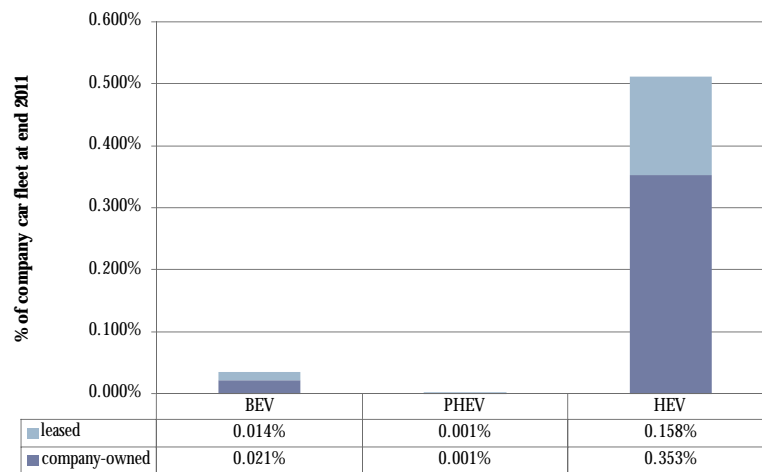
- What fleet managers thought in 2008/9/10
 - Will you use these vehicles in coming 3 years?:



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- vs reality end 2011:



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Conclusions

- Company car fleet seems to become cleaner
 - Encouraged by 2 waves of fiscal stimuli
 - Although result of combination of factors
- Adoption of alternative fuels in CC fleet is marginal
- Challenges:
 - High % diesel
 - Induced kms

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