

+ energy    + economy    + ecology

# **REFER BOOK**

**Latvia  
Reference**

[www.supertech.it](http://www.supertech.it)

The present Refer Book doesn't contain the integral version of the documents but only a summary describing the obtained results.

Whoever would wish to receive the integral version, shall send a request to the General Management.

# LATVIA

Date	Institute/Company	Test		Results		Attached Documentation
		Labor.	Road	Gas emis reduction	Consump Reduc	
04/01/07	LATVIA	x			13%	



## Slēdziens eksperimentiem ar Super Tech ierīci

- 1. Eksperimentu mērķis:** noteikt Super Tech ierīces ietekmi uz Otto motoru degvielas patēriņu un kaitīgo atgāzu izmešu daudzumu.
- 2. Eksperimentu vieta un laiks:**  
Alternatīvo degvielu zinātniskā laboratorija, 2007. gada novembris,  
P. Lejiņa 2, Jelgava, LV 3001
- 3. Eksperimentu objekts:**  
Automobilis Audi A4, 1,8 l Otto motors, 1995. gada izlaidums
- 4. Testa režīmi**
  - Jaudas tests;
  - IM – 240 cikls;
  - Konstanta ātruma režīms 50 km/h;
  - Konstanta ātruma režīms 90 km/h.
- 5. Eksperimentu rezultāti:**
  - 5.1.** Degvielas izlietojums kombinētajā pilsētas – ārpuspilsētas ciklā IM -240 (240 sekundes, ~ 3,1 km) bez Super Tech ierīces 237.64 g, ar Super Tech ierīci 223.82 g. Vidējā degvielas ekonomija izmantojot Super Tech ierīci – 5.8%.
  - 5.2.** Degvielas patēriņš konstanta ātruma režīmā (50 km/h) bez Super Tech ierīces – 6.44 l/100km, ar Super Tech ierīci – 5.76 l/100km. Vidējais degvielas ietaupījums ~ 11%. Degvielas ietaupījums uz 100 km nobraukuma – 0.68 l.
  - 5.3.** Degvielas patēriņš konstanta ātruma režīmā (90 km/h) bez Super Tech ierīces – 5.81 l/100km, ar Super Tech ierīci – 5.07 l/100km. Vidējais degvielas ietaupījums ~ 13%. Degvielas ietaupījums uz 100 km nobraukuma – 0.74 l.
  - 5.4.** Izmantojot Super Tech ierīci būtisks jaudas pieaugums nav iegūts. Atsevišķos motora apgrieziena diapazonos iegūts jaudas pieaugums līdz 3%.

### Atbildīgie par eksperimentu izpildi:

Asist. Mg.sc.ing.

Vilnis Pīrs

Asist. Mg.sc.ing.

Žanis Jesko

Asist. Bc.sc.ing.

Jānis Lāceklis-Bertmanis

Spēkratu institūta direktors,  
Assoc.prof., Dr.sc.ing.

*D. Berjoza* Dainis Berjoza

2007. gada 4. janvārī



## Conclusion of experiments with equipment of Super Tech

- 1. Objective of experiments:** prescribe influence of Super Tech equipment to Otto engine for fuel consumption and reduction of gas emission.
- 2. Place and time of experiments:**  
Scientific Laboratory of alternative fuels, November 2007,  
2 P. Lejina, Jelgava, LV-3001
- 3. Object of experiments:**  
Car Audi A4, 1,8 litres Otto engine, year 1995
- 4. Schedule of test**
  - Power test;
  - IM – 240 cycle;
  - Regime with fixed speed 50 km/h;
  - Regime with fixed speed 90 km/h.
- 5. Results of experiments:**
  - 5.1.** Application of fuel in combined “city-outside the city” cycle IM-240 (240 seconds, ~3,1 km) without equipment of Super Tech 237,64 grams, with equipment of Super Tech 223,82 grams. Average fuel consumption with SuperTech – 5,8%.
  - 5.2.** Fuel consumption with fixed speed (50 km/h) without SuperTech – 6,44 l/100km, with SuperTech – 5,76 l/100km. Average fuel saving ~ 11%. Fuel saving in 100 km run – 0,68 litres.
  - 5.3.** Fuel consumption with fixed speed (90 km/h) without SuperTech – 5,81 l/100km, with SuperTech – 5,07 l/100km. Average fuel saving ~ 13%. Fuel saving in 100 km run – 0,74 litres.
  - 5.4.** Fundamental increase of power not acquired. In separate range of engines RPM have acquire power increase till 3%.

Responsible persons for test performance:

Asist. Mg.sc.ing.

Asist. Mg.sc.ing.

Asist. Bc.sc.ing.

Vilnis Pirs

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Director of Motor Vehicle Institute

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Dainis Berjoza

/ 2007.04.January - mistake / it means 2008.04 of January



