Labor für Kraftfahrzeugtechnik

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Test Report

For REWITEC GmbH, Dr.-Hans-Wilhelmi-Weg 1, D-35633 Lahnau

In collaboration with the Taxi-Service T.I.V. Frankfurt, 60487 Frankfurt, a passenger car with diesel engine, running as Taxi in the Rhein-Main-Area, was used for a validation of the Rewitec Nanocoating technology. To determine the influence on the fuel consumption (and exhaust and particle emissions) of the vehicle, the following coating was applied to the vehicle:

Rewitec M2 Nanocoating for gasoline and diesel engines up to 2,000 ccm

Technical characteristics of the car:

Manufacturer	Volkswagen	Туре	Touran	
Mileage	160.218 (30.05.2007)	Transmission	automatic, 6 gears	
Displacement	1968 cm ³	Registration date	21. February 2005	
Power	103 kW / 4000 rpm	Engine	Diesel – Euro 4	

Course of evaluations:

- 1 particle and exhaust emission test, New European Driving Cycle (NEDC warm)
- 1 fuel consumption test at 90 km/h (56 mph) constant speed, 6th gear, duration 420 sec.
- 1 fuel consumption test at 110 km/h (69 mph) constant speed, 6th gear, duration 420 sec.

The measurements were taken once before (1st) and once after (2nd) the treatment of the car with REWITEC

Nanocoating. Between the two evaluations the car was driven in daily taxi service for about 4,200 kilometers.

Measurement	Date	NEDC (warm)	90 km/h	110 km/h	Particles)*	Mileage
Consumption	110000000000000000000000000000000000000	I /100 km	I /100 km	I /100 km	g/km	
First	30.05.2007	6.59	5.59	7.13	0.077	160,218
Second	13.06.07	6.31	5.47	6.95	0.028	164,450
	Reduction	- 4.2 %	- 2.2 %	- 2.5 %	- 63.6 %	

^{)*} Evaluation of particles only at NEDC (warm)

There is a noticeable decrease in fuel consumption evident over the whole measurement resulting in a remarkable decrease of CO_2 and particle emissions.

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