

## Test carried out by PSCV Slovekra SRO

### THE CONTROLS WERE FROM:

- 4.1 THE CONTROL OF THE DOCUMENTS
- 4.2 PLACEMENT IN THE CAR
- 4.3 THE CONTROL OF EMISSIONS POLLUTION EXHAUST'S GASES
- 4.4 MEASURING OUTSIDE NOISE WHEN A CAR IS MOVING ACCORDING TO THE REGULATION No. 51-01
- 4.5 MEASURING CONSUMPTION OF FUEL ACCORDING TO THE REGULATION No. 54-00
- 4.6 THE CONTROL MAX. SPEED OF CAR ACCORDING TO THE REGULATION No. 68-00

### 4.1 THE CONTROL OF DOCUMENTS

The documents were proved and are correct according to 1043 decree MDPT SR No. 116/1987

RESULT-PASS

### 4.2 PLACEMENT IN THE CAR

The sample for testing was put to the car OPEL FRONTERA 2.3i 16v (4 4). Placement and assembly of the catalyser was done by workers from PSCV SLOVEKRA s.r.o. following producers instructions FUEL CAT LTD. This catalyst was fitted to the car between the fuel filter and injectors in the supply fuel line.

RESULT-PASS

### 4.3 THE CONTROL OF EMISSIONS POLLUTION EXHAUST'S GASES

The car was controlled for emissions pollution exhaust's gases, when it was not connected to the catalyser and also when it was connected to the catalyser. The measure values are according to regulations MDPT SR No. 166/1987

RESULT-PASS

#### 4.4 MEASURING OUTSIDE NOISE, WHEN THE CAR IS MOVING

The car was measured for outside noise on the road, and was not connected to the catalyser and also was connected to the catalyser

RESULT-PASS

#### 4.5 MEASURING THE CONSUMPTION OF FUEL

The car was put through the measuring consumption of fuel with a disconnected catalyser and also with a connected catalyser. When the car was connected to the catalyser FUEL CAT, we tried to find out the difference between the car with FUEL CAT and an original condition of car.

Values, which were measured on the car, connected to the catalyser FUEL CAT, speed 90 km/h – saved 5.9% of fuel and when the speed was 120 km/h the catalyser saved 6.1% of fuel, then without the catalyser FUEL CAT.

Measured values are proportional to how old and how much was used. (When the car for testing will be older than our car OPEL FRONTERA 2.2i 16v, the fuel saving will be bigger)

#### CAR WITH FUEL CAT CATALYSER

##### CONSUMPTION OF FUEL- SPEED (l/100 KM/H)

Speed of car	90 km/h	
No of measuring	Way to the Malacky	Way to the Lozorec
1	7.26	7.88
2	7.51	7.76
3	8.00	7.84
4	7.92	7.81
5	8.24	7.84
6	7.21	8.23
7	7.54	7.56

RESULT: 7.75

Speed of car	120 km/h	
No of measuring	Way to Malacky	Way to Lozorec
1	12.33	10.08
2	12.12	10.12
3	12.30	10.38
4	11.84	10.52
5	11.58	10.25
6	11.42	10.57
7	11.76	10.28

**CAR WITHOUT FUEL CAT CATALYSER  
CONSUMPTION OF FUEL - SPEED (1/100 KM/H)**

Speed of car	90km/h	
No of measuring	Way to Malacky	Way to Lohore
1	8.53	8.88
2	8.45	8.18
3	8.29	8.09
4	8.24	8.15
5	8.42	8.48
6	8.52	8.91
7	8.42	8.57
<b>RESULT</b>	<b>8.72</b>	

Speed of car	120km/h	
No of measuring	Way to Malacky	Way to Lohore
1	11.57	11.95
2	11.58	12.04
3	11.42	12.34
4	11.37	12.03
5	11.78	12.12
6	11.75	12.18
7	11.60	12.01
<b>RESULT</b>	<b>11.83</b>	

**RESULT OF MEASURING**

SPEED	SAVED FUEL	SAVED FUEL IN %
90km/h	0.97 1/100km	8.9%
120km/h	0.72 1/100km	6.1%

**4.6 CONTROL MAX. SPEED OF CAR**

The car was tested for max. speed, when it was disconnected to the catalyser and when it was connected to the catalyser.

When it was connected to the catalyser FUEL CAT and was measured for max. speed, we found out that we had dropped from 167km/h to 166km/h:

**RESULT - PASS**