vosges di Moreno Beggio
Magnetic Catalyzer Department
Via Roma, 133
36040 - TORRI DI QUARTESOLO -
VICENZA - ITALY

ph. ++39-444-387119 r.a.
telefax ++39-444-264228
mail : estero@vosges-italia.it
http://www.vosges-italia.it

CERTIFICATE OF CONFORMITY ISZ VE D.96C.157 ISSUED BY THE CONTROL CENTRE FOR THE CERTIFICATION OF ELECTRICAL, EXPLOSION-PROOF AND MINING EQUIPMENT

TRANLATED FROM THE RUSSIAN ORIGINAL

Realized by Mr. M.V. Chorunovkj
The Director of the ISZ VE

valid until Oct. 6, 1999

CERTIFICATE OF CONFORMITY ISZ VE D.96C.157

Issued to the company

VOSGES - INTERPROJECT ITALIA.

The present certificate declares that the product which has been adequately identified as:

SUPER CATALYZER 3001 SERIES

has demonstrated to be in possession of all the requirements necessary to comply to the ISZ VE certification and is in compliance with the standards established in the GOST 22782.5, PUE, PV.

On the basis of these positive results, the product has obtained the explosion-proof certification mark : ExiallCX.

The explosion-proof certification mark is awarded to all products conforming to the standards GOST 12.2.020-76.

The products should be used in compliance with the "Conditions of use" which forms an indispensable part of the present certificate which cannot be disregarded.

Issued on the basis of tests carried out in the laboratory/s :

Name of the certification Laboratory.	Reference no. of tests.	Registration no. of the certification laboratory.
ISZ VE	334-96.336-96	ROSS.UA 0001.21.602 GOST R of 14.05.95 No. UA6.001.H.031 UcrSEPRO of 05.07.96

Production tests : reference no. 336-96.

The producer is obliged to guarantee the compliance of the products with the requirements specified in the standard documents enclosed with the present certificate, and to submit the model to the appropriate tests and controls. In the event that the conditions constituting the basis of the certificate are not fulfilled, the present certificate will be annulled by the ISZ VE.

In compliance with the Intergovernmental agreements on the fulfilment of a fixed policy in the field of standardisation of metrology and the certification of 13.03.92, on the principles of the realisation and reciprocal recognition of work carried out for the certification of 25.06.92 and in accordance with the norms established for the recognition of the results of work carried out for the certification of 20.10.93, the ISZ VE certificates are valid in all countries belonging to the CSI.

The "Super Catalyzer " 3001 series, with the green label on the box was installed and tested on used LADA 2109 motor vehicles which had the following characteristics :

- volume 1500 cubic cm
- power 75 HP
- supply petrol - carburettor
- distance covered in kilometres about 60 to 80 thousand
- year of production 1994
- declared consumption 8 litres per 100 kilometres

The assembly was carried out in accordance with the instructions in the catalogue, i.e. between the fuel pump and the carburettor.

The principle aim of the tests was to confirm the characteristics of the "Super Catalyzer" declared by the manufacturer and more specifically to ascertain the following :

a. increase in power;
b. reduction in consumption;
c. reduction of exhaust emissions.

The test was carried out over 5000 kilometres with controls every 1000 kilometres.

<u>Motor vehicle no. 1</u>

- volume 1500 cubic cm
- power 75 HP
- kilometres 63.000
- year of production November 1994
- actual consumption 10 litres every 100 Kilometres
- type of petrol 93

Power

Before the test	After 1000 Km	After 2000 Km	After 3000 Km	After 4000 Km	After 5000 Km
65-68 HP	71-73 HP	70-73 HP	72-73 HP	70-72 HP	71-72 HP

% of increase in accordance with GOST 17.1.1.03.87

66.5	72	71.5	72.5	71	71.5
1st Method GOST 17.1.1./A	7.6%	6.9%	8.2%	6.3%	6.9%
2nd Method GOST 17.1.1./B	8.2%	7.5%	9%	6.7%	7.5%

Motor vehicle no. 2

- volume 1500 cubic cm
- power 75 HP
- kilometres 78.500
- year of production January 1994
- actual consumption 14 litres every 100 kilometres
- type of petrol 93

Power

Before the test	After 1000 Km	After 2000 Km	After 3000 Km	After 4000 Km	After 5000 Km
64-66 HP	67-69 HP	66-69 HP	65-69 HP	66-68 HP	66-70 HP

% of increase in accordance with GOST 17.1.1.03.87

65	68	67.5	67	67	68
1st Method GOST 17.1.1./A	4.4%	3.7%	3%	3%	4.4%
2nd Method GOST 17.1.1./B	4.6%	3.84%	3%	3%	4.6%

Reduction of exhaust emissions

The analysis verified the following :

- carbon monoxide;
- hydrocarbon;
- nitrogen dioxide.

The test was carried out using a comparative method after the regulation of the carburettor and after 5000 kilometres.

Motor vehicle no. 1

	Start	**After 5000 Km**	**% Reduction**
Carbon Monoxide	100	45	55
Hydrocarbon	100	52	48
Nitrogen Dioxide	100	58	42

Motor vehicle no. 2

	Start	**After 5000 Km**	**% Reduction**
Carbon Monoxide	100	58	42
Hydrocarbon	100	62	38
Nitrogen Dioxide	100	65	35

Consumption of motor vehicle no. 1

Before testing	Abt. 0 to 1000 km	Abt. 1000 to 2000 km	Abt. 2000 to 3000 km	Abt. 3000 to 4000 km	Abt. 4000 to 5000 km
10 litres for 100 km	9.2	9.2	9.1	9	8.8

% of increase in accordance with GOST 17.1.1.03.87

8% 8% 9% 10% 12%

Consumption of motor vehicle no. 2

Before testing	Abt. 0 to 1000 km	Abt. 1000 to 2000 km	Abt. 2000 to 3000 km	Abt. 3000 to 4000 km	Abt. 4000 to 5000 km
14 litres for 100 km	12	12	11.5	11	11

% of increase in accordance with GOST 17.1.1.03.87

15% 15% 18% 21% 21%

M.V. Chorunovkj
The Director of the ISZ VE