

## PROTOCOL

Of test of fuel catalytic converter (ПТК-4) on transport Energoavtotrans of JSC “Kievenergo”

Beginning of tests: 18.06.2001

End of tests 12.07.2001

Kiev

1. Object of tests:

a) ПТК-4 for gasoline engines manufactured according to TY Y 24587493.001-99, installed on the car ГАЗ 66 g.n. 017-27 КА, the run before installation 39 232 km; ГАЗ 310290 g.n. 28-29 КА, the run before installation 94 700.

2. Purpose of tests:

- check of ПТК-4 for the compliance with TY Y 24587493.001-99 – the decrease of CO, CH and fuel consumption.

3. Place of tests

Kiev city

4. Methods of tests:

The tests are carried out according to the annex to TY the Instruction K62.966.001 III.

5. Composition of the commission:

a) Shevchenko Anatoliy Petrovich – the Engineer of TO Energoavtotrans of JSC “Kievenergo”;

b) Gudz Ivan Rostislavovich – the driver;

c) Galogan Vasiliy Arsentievich – the driver;

d) Kozub Anatoliy Afanasievich – the Technical Director of “Eko-Avto-Titan”;

e) Lazarenko Pavel Borisovich – the engineer of “Eko-Avto-Titan”

6. Results of tests:

a) Indices of toxicity of CO, % CH, units, and fuel consumption

a/machine	CO before installation of ПТК-4		CH before installation of		CO after installation of ПТК-4		CH after installation of ПТК-4		Fuel consumption before installation of ПТК-4	Fuel consumption after installation of ПТК-4
	XX	max	XX	max	XX	max	XX	max		
ГАЗ-66	7,5	4	2800	1250	6	3	1200	400	1,0 l/3,4 km	1,0 l/3,9 km
ГАЗ-310290	0,5	0,8	1000	1000	0,3	0,4	1000	500	0,75 l/4,8 km	0,75 l/5,4 km

7. Conclusions

- ГАЗ-66 after installation the run 1130 km

CO for xx – the decrease for 20%;

CH for xx – the decrease for 53%;

CO for max- the decrease for 29 %;

CH for max – the decrease for 68%.

Fuel consumption decreased for 14,7%.

- ГАЗ-310290 after installation the run 3130 km.

CO for xx – the decrease for 40%;  
CH for xx- the decrease for; NO  
CO for max- the decrease for 30%;  
CH for max – the decrease for 50%  
Fuel consumption decreased for 12,5%.

## 8. Conclusion

ИТК-4 meets ТУ У № 24587493.001-99

### Signatures:

Technical Director of “Eko-Avto-Titan”  
(signature) Kozub A.A.

Engineer of “Eko-Avto-Titan”  
(signature) P.B. Lazarenko  
Seal: Ukraine, Kyiv region, Limited Liability  
Company Scientific-Production Firm “Eko-  
Avto-Titan”, Identification code 31909330

Engineer of TO Energoavtotrans of JSC  
“Kievenoergo”  
(signature) A.P. Shevchenko

Driver of Energoavtotrans of JSC  
“Kievenoergo”  
(signature) I.R. Gudz

Driver of Energoavtotrans of JSC  
“Kievenoergo”  
(signature) V.A. Galogan  
Seal: Ukraine, Kyiv city, Joint Energy Supply  
Company “Kyivenergo”, Kyiv city,  
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