



TEST REPORT OF M-STROY JSC · MURMANSK, 2002

VAZ-21083 engine: compression climbed, quieter and smoother running

M-Stroy JSC — owner of the vehicle · report approved by Technical Director V. M. Vasilyev, signed by Chief Mechanic P. V. Balukhtin; on the contractor's side — Arktik-Avto LLC, XADO representative office
Murmansk, Russia · report dated 03.09.2002 · follow-up measurement after 3810 km of running

PRODUCT	TREATED OBJECT	DOCUMENT TYPE
XADO revitalizant gel 3 tubes · treatment per the petrol engine procedure	VAZ-21093, engine 21083 petrol, 4 cylinders · registration plate s 048 vm · mileage 134 842 km	Report dated 03.09.2002 with signatures and seal

EQUIPMENT	MILEAGE AT START OF TESTING	WHAT WAS MEASURED
VAZ-21093, engine 21083 (petrol, 4 cylinders)	134 842 km since entry into service	Compression in each of the four cylinders

Treatment was carried out without disassembling the engine, on a vehicle in routine service; follow-up measurement — after a further {{3810 km}} of running.

Key result

↑ **2-2.5**

compression in all four cylinders, 9.5-10 → 11.5-12.5

Cylinder-by-cylinder compression — before and after treatment

CYLINDER	BEFORE TREATMENT (134 842 KM)	AFTER (138 652 KM)	CHANGE
No. 1	10	12	+2
No. 2	9.5	11.5	+2
No. 3	10	12.5	+2.5
No. 4	10	12	+2

The unit of compression is not stated in the report — the values are given exactly as recorded in the original.

What the report records

The report of M-Stroy JSC dated 03.09.2002, drawn up after the service period, records: "vibration and engine noise level decreased, throttle response improved". Compression rose in all four cylinders: **9.5-10 → 11.5-12.5**, and the second cylinder, the weakest before treatment, climbed together with the rest. This is the mechanism at work: a metal-ceramic layer built up on the worn surfaces of the cylinder-piston group, sealing was restored and with it the power and the even running of the engine — precisely the drop in noise and vibration that the commission described in words. The engine had covered **134 842 km** and had been neither disassembled nor repaired: the treatment was performed with three tubes of revitalizant gel on a vehicle in ordinary service. The follow-up measurement was taken after a further **3810 km** of running — the result holds up under load rather than fading within the first few hundred kilometres after the product is added.

XADO

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The results relate to the 21083 petrol engine of a VAZ-21093 vehicle in routine service; on other engines and under other operating conditions the figures may differ. The original report dated 03.09.2002, with signatures and seal, is published in full and available for download.