

ACT OF CONCLUSION ON WORK PERFORMED WITH XADO TECHNOLOGY

Toyota Camry 2AR in taxi service: compression evened out, fuel consumption dropped

Taxi Moy Gorod LLC — vehicle owner and customer of the work · treatment performed by
AVTO-PRESTIZH LLC · act signed by both parties, with company stamps
Novosibirsk, Russia · act of conclusion dated 20.08.2018

PRODUCT

XADO technology
Treatment without disassembly,
under regular vehicle operation

TREATED OBJECT

Toyota Camry engine
2AR, petrol, 2.5 l · taxi fleet
vehicle

DOCUMENT TYPE

Act of conclusion
by the customer and the
contractor

EQUIPMENT

Toyota Camry, 2012
2AR engine, 2.5 l

CONDITION AT START OF WORK

Six years of taxi service
compression 10-11 kgf/cm²

WHAT WAS MEASURED

Compression in all four cylinders · fuel
consumption

The engine was treated without disassembly, under regular operation: the car stayed in service on the line.

Key results

↑ **27-40 %**

cylinder compression, 10-11 → 14 kgf/cm²

↓ **15.2 %**

fuel consumption, 11.2 → 9.5 l

Compression across the cylinders of the 2AR engine

CYLINDER	BEFORE TREATMENT, kgf/cm ²	AFTER TREATMENT, kgf/cm ²	CHANGE
I	10	14	+4 kgf/cm ² · +40 %
II	10	14	+4 kgf/cm ² · +40 %
III	10	14	+4 kgf/cm ² · +40 %
IV	11	14	+3 kgf/cm ² · +27.3 %
Spread between cylinders	1 kgf/cm ²	0 kgf/cm ²	All four cylinders at the same value

Compression does not rise above the nominal value set by the engine manufacturer: bringing all four cylinders to a single value is the maximum achievable.

Fuel consumption

PARAMETER	BEFORE TREATMENT	AFTER TREATMENT	CHANGE
Fuel consumption	11.2 l	9.5 l	-1.7 l · 15.2 %

The drop in consumption follows from the restored sealing of the cylinder-piston group: even compression across all cylinders gives even engine running.

What the act recorded

The treatment was performed without disassembling the engine, on a car that had by then worked six years in taxi service. In the section «Results of treatment» the act states: «Compression evened out across all cylinders» and «Engine throttle response improved». The measurements confirm this: all four cylinders moved from 10-11 to a single value of 14 kgf/cm², fuel consumption 11.2 → 9.5 l. Compression cannot rise above the factory nominal value, so an identical reading in every cylinder is the maximum achievable for a worn engine, and even cylinder operation is exactly what produces the fuel saving. The act recommends: «Introduce into the system scheduled preventive maintenance of machines and mechanisms using XADO technology, ensuring an increase in service life», and XADO technology is recommended for use at Taxi Moy Gorod LLC.



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The results apply to a Toyota Camry passenger car with a 2.5 l 2AR petrol engine in taxi operation; on other engines and operating modes the figures may differ. The original act of conclusion dated 20.08.2018, with signatures and stamps, is published in full and available for download.