



TECHNICAL ACT OF TRANSERVICE LLC

MAN D 2866 after one million km: compression rose and evened out without teardown

Transservice LLC, Kharkiv · measurements taken by the plant's chief mechanic and engine fitter, act signed by the director and certified with a company stamp

Kharkiv, Ukraine · measurements 22.02.2012 and 12.03.2013 · observation period — 1 year

PRODUCT	TEST OBJECT	DOCUMENT TYPE
XADO 1Stage revitalizant Maximum for Diesel Truck single treatment · 950 ml into a 40 l oil system	MAN D 2866 diesel MAN TGA truck, plate No. AX 4493 AT · displacement 11.967 l	Technical act of the operating company, signatures and stamps

EQUIPMENT	MILEAGE AT TEST START	WHAT WAS MEASURED
MAN TGA, MAN D 2866 diesel, plate No. AX 4493 AT	1 069 013 km	Compression in all six cylinders, atm

Repeat measurement — 12.03.2013 at a mileage of {{1 076 252 km}}: the truck stayed in normal service the whole time.

Key result

↑ **2.5 atm**

compression across the cylinders, 28-29 → 31 atm

Compression by cylinder, MAN D 2866 diesel

CYLINDER	BEFORE, ATM	AFTER, ATM	CHANGE, ATM
Cylinder 1	28	31	+3
Cylinder 2	28	31	+3
Cylinder 3	29	31	+2
Cylinder 4	29	31	+2
Cylinder 5	29	31	+2
Cylinder 6	28	31	+3

All six cylinders reached one and the same value — **31 atm**. Compression is capped by the factory rating, so this common level across all cylinders is the limit of the achievable result.

Conclusion of the act

The commission of Transservice LLC — the director, the chief mechanic and the engine fitter — recorded in the act: "Application of the Atomic Metal Conditioner 'XADO 1Stage Maximum for Diesel Truck' led to the evening out (removal of the spread) of compression and to its increase by an average of **2.5 units**, and accordingly to a rise in engine power of **4-5 %**". By the start of the test the engine had run over a million kilometres; the treatment was carried out without teardown — by adding the formulation into the **40 l** oil system. After a year of service, compression rose in all six cylinders and levelled off at **31 atm**: the tightness of the cylinder-piston group was restored, and with it the power and smooth running of the diesel.

XADO

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The results refer to the MAN D 2866 diesel of a MAN TGA truck with over one million kilometres of mileage; with a different engine condition and operating modes the figures may differ. The original technical act with signatures and stamps is published in full and available for download.