TEST REPORT ON XADO PRODUCTS AT A BUS DEPOT

PAZ buses: compression evened out with no engine teardown

PATP motor transport enterprise, Stupino, Moscow Region · approved by Director B. I. Yurasov, signed by Chief Engineer N. I. Tilikin

Stupino, Moscow Region, Russia · treatment 24.08.2007 · control measurement 06.09.2007 · report dated 10.09.2007

PRODUCT

XADO revitalizant gel for petrol engines

staged treatment, 6 doses · Antikoks decarbonizer · Vita Flush engine flush · XADO Atomic Oil 10W-40

TEST OBJECT

Two PAZ buses in scheduled service

reg. no. A 944 ma and no. T 642 mkh · petrol eight-cylinder engines

DOCUMENT TYPE

Production test report, approved by the PATP director

EQUIPMENT	CONDITION AT START OF TESTS	WHAT WAS MEASURED
PAZ bus, reg. no. A 944 ma	Engine in scheduled service, wear up to **80 %**	Compression on all **8** cylinders, oil pressure
PAZ bus, reg. no. T 642 mkh	Engine in scheduled service, wear up to **80 %**; cylinder **2** with collapsed compression	Compression on all **8** cylinders, oil pressure

The treatment was carried out on running engines, without teardown and without taking the buses out of service; the wear estimate is as stated in the enterprise report.

Key results

↑ 3-17 %

compression across the cylinders of engine A 944 ma, 9.5-11.2 → 10.0-11.2

compression evened out across the cylinders

Compression by cylinder — both engines, before and after treatment

CYLINDER	A 944 ma, BEFORE	A 944 ma, AFTER	T 642 mkh, BEFORE	T 642 mkh, AFTER
Cylinder 1	9.8	10.6	10.9	11.0
Cylinder 2	10.4	10.5	5.8	10.5
Cylinder 3	9.6	11.2	10.3	11.0
Cylinder 4	10.5	10.9	11.0	11.5
Cylinder 5	11.2	11.2	11.5	11.6
Cylinder 6	9.6	10.4	11.3	11.3
Cylinder 7	10.6	10.9	11.1	11.3
Cylinder 8	9.5	10.0	11.8	10.8
Spread between cylinders	1.7	1.2	6.0	1.1

Pre-treatment measurements — 24.08.2007, control measurements — 06.09.2007; the unit of compression is not stated in the report.

Findings of the commission of PATP Stupino

The engines were running with wear of up to **80 %**, and on bus T 642 mkh cylinder 2 held a collapsed **5.8** against **10.3-11.8** on the other seven: after treatment it came up to **10.5**, with most of the gain arriving not on the day of treatment but over the following 13 days of ordinary scheduled service. The enterprise commission recorded: 1). The compression and oil pressure figures obtained after treating the engines with the XADO restorative compound indicate improved engine operation, despite their substantial wear over long service. 2). The effectiveness of XADO motor oil and revitalizant gels is confirmed not only by the engine parameters before and after treatment, but also by smoother engine running and by improved throttle response and power in service.

XADO

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The results relate to petrol engines of PAZ buses that had used up a significant part of their service life, and to urban scheduled-service conditions; on other equipment the figures may differ. The original report is published in full and available for download. The treatment was carried out by the Moscow Representative Office of XADO LLC — the product supplier.