

WORK COMPLETION CERTIFICATE · DNEPROMETIZ JSC

PKS 1.75U compressor: more air, less current no disassembly, in normal service

Dneprometiz JSC, production department · treatment with XADO technology® performed by Azurit Ltd · certificate approved by the plant's chief engineer Yu. P. Poleshko
Ukraine · contract No. 16/3 of 16.10.2000 · certificate dated 10.01.2001

PRODUCT

XADO technology®
restorative treatment of friction
units without disassembling the
machine

TREATED EQUIPMENT

PKS 1.75U compressor
production department,
Dneprometiz JSC

DOCUMENT TYPE

Work completion certificate
signed and stamped by
both parties

EQUIPMENT

HOW IT WAS TREATED

WHAT WAS MEASURED

PKS 1.75U compressor

No disassembly, in normal
operating service

Fill time at **3.8 kgf/cm²**, current draw

The work was carried out under contract No. 16/3 of 16.10.2000; the certificate was signed on 10.01.2001 by a commission of the plant and the contractor.

Key results

↑ **36 %**

compressor output, fill time 30 → 22 s at 3.8 kgf/cm²

↓ **16 %**

current draw, 25 → 21 A

PKS 1.75U compressor — measurements before and after treatment

PARAMETER	BEFORE	AFTER	CHANGE
Fill time at a pressure of 3.8 kgf/cm²	30 s	22 s	output +36 %
Current draw	25 A	21 A	-16 %

The measurements were taken on the running compressor, before and after treatment — at one and the same pressure of 3.8 kgf/cm².

Conclusion of the certificate

The commission of Dneprometiz JSC and Azurit Ltd recorded: the use of XADO technology® makes it possible to raise the output of equipment and thereby extend its service life and lengthen the intervals between repairs, to prevent wear of new equipment, and to successfully treat compressors by XADO technology® in normal operating service, with guaranteed savings on energy. The compressor was neither disassembled nor taken out of service — the treatment was carried out on the machine in operation, and the check measurements were taken in the same mode as the initial ones. The certificate recommends XADO technology® for further adoption at the plant and for inclusion in the system of scheduled preventive maintenance of equipment.

XADO

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The results apply to the PKS 1.75U compressor treated in normal operating service at Dneprometiz JSC; on other machines and in other operating modes the figures may differ. The work was performed and the certificate drawn up by the contractor Azurit Ltd. The original certificate of 10.01.2001 with signatures and stamps is published in full and available for download.