



REPORT ON TREATMENT OF COMPRESSOR, INV. No. 3379

Imported compressor: higher output with no teardown or spares

Yuzhkabel Plant JSC · approved by General Director V. M. Zolotarev; report signed by Chief Mechanic B. M. Pevzner and Head of Shop O-3 A. M. Polovik
Kharkiv, Ukraine · work carried out 7–14 July 1998 · report dated July 1998

PRODUCT	TREATED OBJECT	DOCUMENT TYPE
Treatment with XADO RVS technology without disassembling the unit · XADO zero-generation compounds	Drawing machine compressor piston type, inv. No. 3379, made in Germany · in service since 1981	Report of the Yuzhkabel plant with signatures and seal

EQUIPMENT	IN SERVICE BEFORE TREATMENT	WHAT WAS MEASURED
Drawing machine compressor, inv. No. 3379, made in Germany	17 years — since 1981	Time to charge the receiver to 8 atm ; noise, vibration, heating

Treatment with XADO RVS technology was performed on the assembled machine on 7–14 July 1998; the control measurement was taken on completion of the work.

Key result

↑ **9.2 %**

compressor output, charge to 8 atm, 2 min 21 s → 2 min 08 s

Drawing machine compressor — before and after treatment

PARAMETER	BEFORE TREATMENT	AFTER TREATMENT
Time to charge the receiver to 8 atm	2 min 21 s	2 min 08 s
Noise	Very loud	At the level of a new compressor
Vibration	Present	Gone
Heating	Overheating	No overheating

The gain in output and the **9.2 %** saving in electricity are recorded in the report through the shorter charging time; noise, vibration and heating are the assessment of the plant commission.

Conclusion of the plant commission

The compressor had run at the plant for **17 years** and had reached a condition in which standard repair was impossible: "Since the compressor is of foreign make, it was not possible to obtain piston rings, as they differ from the standards of Ukraine and the CIS countries." Instead of disassembly, the piston group was treated in one week directly on the machine. The time to charge to **8 atm** fell from **2 min 21 s** to **2 min 08 s**, output rose by **9.2 %**, and, according to the report, "noise dropped to the level of a new compressor, vibration disappeared, the compressor does not overheat." The commission's finding: "treatment of the compressor made its disassembly and the replacement of piston rings unnecessary, electricity consumption has been reduced."

XADO

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The results relate to an imported piston compressor of a drawing machine that had run for 17 years in cable manufacturing; figures may differ on other equipment. RVS is an obsolete XADO designation for zero-generation compounds; the current product generation is revitalizants. The original report is published in full and available for download.