

RECORD OF MEASUREMENTS BEFORE AND AFTER TREATMENT · CONTRACT No. 79 OF 10.08.2000

KT-6 compressor: higher output, lower oil consumption

Rogan Company LLC, customer — director G. S. Tkachev · contractor — XADO LLC, general director V. L. Zozulya

Kharkiv, Ukraine · contract No. 79 of 10.08.2000 · post-treatment measurement 08.09.2000 · record 11.09.2000

PRODUCT

XADO technology®
restorative repair of the
compressor under contract No.
79

OBJECT OF WORK

KT-6 type compressor
customer's unit · measurements
before and after treatment

DOCUMENT TYPE

Record of 11.09.2000
with signatures and seals
of both parties

UNIT**WORK PERFORMED****MEASUREMENTS**

KT-6 type compressor

Restorative repair using XADO technology,
contract No. 79 of 10.08.2000Before treatment and
08.09.2000 — after

The work was carried out by XADO LLC specialists on the customer's unit; measurements before and after were taken with the plant's own instruments and sensors.

Key result

↑ 15.4 %

compressor output, pump-up to 7.9 atm 23 min 05 s → 20 min 00 s

Compressor operating parameters before and after treatment

PARAMETER	BEFORE AND AFTER	CHANGE
System pump-up time from 0 to 7.9 atm	23 min 05 s → 20 min 00 s	output higher by 15.4 %
Oil consumption	comparison before and after the repair	reduction by 20 %

For the pump-up time row the record states an efficiency of **13.36 %** — the reduction in time needed to reach working pressure.

What the record documents

Under contract No. 79 of 10.08.2000, XADO LLC specialists carried out a restorative repair of a KT-6 type compressor using XADO technology. The check measurement of 08.09.2000 was made with the same plant instruments as the measurement before the work: the time for the system to reach the working pressure of **7.9 atm** fell from **23 min 05 s** to **20 min 00 s**. That is **15.4 %** of added output — over a shift the compressor delivers appreciably more air for the same running time. The second result is a **20 %** reduction in oil consumption: in a reciprocating compressor oil burn-off is directly linked to the condition of the cylinder-piston group, and its drop indicates restored sealing — the same cause behind the increased delivery. The result was accepted by a record bearing the signatures and seals of both parties.

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The results relate to the KT-6 type compressor operated by Rogan Company LLC; on other units and duty cycles the figures may differ. The measurements and the record were drawn up jointly by the customer and the contractor, XADO LLC. The original record of 11.09.2000 with signatures and seals is published in full and available for download.