



REPORT ON THE APPLICATION OF XADO TECHNOLOGY TO INDUSTRIAL EQUIPMENT

TV 80/130 unit: lower power draw, less noise and vibration

OJSC Trostyanets Meat Processing Plant · treatment performed by SETIF LLC · report approved by the chairman of the plant's board, signed by the chief engineer

Trostyanets, Ukraine · work 30.10–06.11.2000, control measurements 06.11.2000

PRODUCT	TREATED COMPONENT	DOCUMENT TYPE
XADO RVS repair-and-restoration compound, treatment by XADO® technology	Electric motor bearings of the TV 80/130 unit unit in service at the plant since 1985	Company report with signatures and stamps stamps of the plant and of the contractor

EQUIPMENT	IN SERVICE BY START OF WORK	WHAT WAS MEASURED
TV 80/130 unit, electric motor bearings	since 1985 — 15 years	Electricity consumption by meter; unit noise and vibration; bearing temperature conditions

Treatment carried out in a single stage, 30.10–06.11.2000, with XADO RVS compound.

Key result

↓ **10 %**

electricity consumption by the unit at rated output

TV 80/130 unit before and after treatment

PARAMETER	BEFORE TREATMENT	AFTER TREATMENT
Electricity consumption	Meter reading at rated output	10 % lower in the same mode
Unit noise and vibration	Shaft alignment done without instruments, no balancing performed	Substantially reduced
Electric motor bearing lubrication	Grease applied weekly	Not performed since 06.11.2000

Consumption was compared using the plant's electricity meter at rated output: three days of measurements before treatment and three days after.

Commission findings

The unit had served the plant for fifteen years; before treatment the rear bearing of the electric motor was replaced — the new one had considerable play. After treatment, noise and vibration dropped substantially, and the bearing temperature conditions are normal. The commission recorded: the positive results achieved demonstrate the effectiveness of applying XADO® technology to the industrial equipment of OJSC Trostyanets Meat Processing Plant. XADO® technology makes it possible to:

1. Increase equipment output and reduce energy costs.
2. Extend equipment service life without replacing assemblies and parts.
3. Extend the equipment overhaul interval.
4. Reduce the cost of routine repairs.
5. Extend oil service life, prevent wear and optimise clearances in mechanisms. The commission recommends introducing scheduled preventive treatment by XADO® technology instead of scheduled routine servicing and extending it to other units of the plant.

XADO

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The results relate to the electric motor bearings of the TV 80/130 unit at OJSC Trostyanets Meat Processing Plant and to its operating conditions; figures may differ on other equipment. The original report dated 06.11.2000 with signatures and stamps is published in full and available for download. RVS is an obsolete XADO designation for zero-generation compounds; the current generation of products is revitalizants.