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**Report – conclusion
about the results of restoring repair process
of the compressor 2BM10-50/9**

During the period since 20.02.2004 the specialists of GT ODO "WaTT" and public corporation "Grodnenskiy steklozavod" carried out the treatment in a standard operational mode.

Treatment results:

During the repair-and-renewal operations (the measurements were made before the treatment and 450 hours run) they made measurements of the cylinder crankpin of the I stage and cylinder of the II stage in A and B plains, measurements of oil pressure and expendable stator current.

The data are shown in the Table.

Parameters	Before treatment	After treatment	Efficiency
I stage of plain A.	180 – 0,04 mm	180 – 0,01 mm	Wear compensation + 0,03
I stage of plain B.	180 – 0,08 mm	180 – 0,01 mm	Wear compensation + 0,07
II stage of plain A.	180 – 0,08 mm	180 – 0,06 mm	Wear compensation + 0,02
II stage of plain B.	180 – 0,11 mm	180 – 0,07 mm	Wear compensation + 0,04
Oil pressure in the system	1,2 atm.	1,7 atm.	Pressure increase 0,05 atm.
Stator current (in A)	27 A	25 A	Economy - 7,5%

Conclusion:

Application of XADO-technology allows:

1. to extend considerably the overhaul period and replace partly preventive maintenance.
2. to optimize the gaps, to restore the parts sizes of friction pairs.

Energy saving – 7.5%.

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