UDC 621.43.052

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Actions for maintenance of effective and reliable regulation

in turbocharger with vaneless turbine volute are developed.

This actions have been taken into account in design of

the adjustable turbine. It is established, that for maintenance

of high efficiency of the turbine in all adjustment range it is

necessary to profile the adjustment element (AE) under special

way. His movement algorithm should provide maximum

depth of regulation under minimal angular motion. To maintenance

the reliable operation of the adjustable turbine which

was developed on base TKR -7 the three holes in adjusting

disk was drilled. The holes was performed evenly on the

circle and unload the disc from the axial thrust. Il. 4. Bibliog.

8 names.