

WEARABILITY, WEARPROOF AND HEAT-SHIELDING COVERINGS FOR DETAILS OF THE GAS PATH OF THE TURBINE, THE COMPRESSOR AND THE CHAMBER OF COMBUSTION OF GAS TURBINE ENGINE

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The basic laws and features of plotting of wearability, wearproof and heat-resisting coverings on a detail of a gas path of the turbine, the compressor and the combustion chamber of gas turbine engine by gas-thermal plasma and ionic-plasma vacuum methods are considered. The basic updates and elements of modernisation of the equipment for gas-thermal and an ionic-plasma vacuum method are shown. For calculation of the temperatures, flowing and residual pressure real cases and receptions at spraying are considered.

Gas-thermal spraying, ionic-plasma vacuum spraying, wearability, wearproof, heat-resisting coverings, equipment, modernization, gas turbine engine, temperature, flowing pressure, residual pressure

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