

ABOUT THE THERMAL PROTECTION OF THE OIL CAVITIES FOR DESIGNING GAS TURBINE ENGINES

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The necessity of an effective thermal protection for oil cavities in the air engines with the high temperature level is proved. For turbojet bypass engines the influence on the reliability of the following factors is shown. There are a choice of the turbine constructive scheme, a structure of cooling air flows inside the turbine and a the turbine oil cavity.

Engine, compressor, turbine, oil system, bearing, seal, oil cavity, buffer cavity, thermal protection, draining

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