UDC 621.43

Strokov A.P. Predicted estimation of the heat stressed con-dition of a cylinder sleeve for high-powered transport diesel / A.P. Strokov, A.M. Levterov, A.N. Avramenko // Internal combustion engines. – 2009. – №2. – P.53-56.

This paper analyzes the computed heat stressed cylinder sleeve condition for the high-powered transport diesel. Special attention is paid to the methods of specifying the boundary conditions for the mechanics and heat conductivity problem. The problem is solved in the stationary three-dimensional statement in the rectangular Cartesian coordinates. The ex-perimental thermometry data are used for specifying the boundary conditions of the third kind for the sleeve heat- ex-change surfaces. Table 1. Il.5Bibliogr. 5 names.