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Matveenko V.V. The piston temperature state preliminary estimation with taking into account uneven heat supply in the zone of the upper ring / V.V. Matveenko,

V.O. Pylyov, M.V. Prokopenko, I.G. Pozhidaiev // Internal combustion engines. – 2010. – № 1. – P. 78-81.

In the paper the piston temperature state with taking into account uneven heat supply in the zone of the upper ring estimated. The third kind of cylinder liners are obtained for asymmetric boundary conditions. Adjustment of boundary conditions in the area of the upper piston ring, with taking into account uneven heat supply in the liner is completed.

The combustion chamber edge resource strength calculations for the different options for specifying the boundary conditions was made. The necessity of taking into account the uneven heat in the liner in the piston heat state is evaluated.

Table 4. Il. 2. Bibliog. 9 names.