UDC 621.436.1: 621.43.016.4

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.