UDС 621.43.016.4

Shpakovsky V.V. Influence of an in part - dynamic heat insulation on a temperature condition of the piston’s surface / V.V. Shpakovsky // Internal combustion engines. –

2010. – № 2. – P. 92-95.

Existence of rational thickness of heat-insulating corundum

layer on the fire surface of the piston providing significant

drop of the maximal thermal stream into the piston

during combustion in process fuel feeder and diffusive burning

is established. Thus there is an increase in the maximal

value of scope of a temperature wave at surfaces of heatinsulating

corundum layer. On a timing period of filling the

temperature corundum layer of a piston’s surface becomes

lower than temperature of a surface of the bucket without a

heat insulation. Il. 8. Bibliogr. 10 names.