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Marchenko A.P. Assessment of the impact of temperature sensitive factors on parameters of the high-frequency luctuations in the surface corundum layer of piston /

A.P. Marchenko, V.V. Shpakovski, I.I. Sukachev, A.A.

Prokhorenko, I.N. Karyagin, V.V. Pylyov // Internal combustion

engines. – 2010. – №1. – Р. 65-69.

Methodology for calculating the high-frequency surface

wave in thermal heat-insulated wall of the combustion

chamber of an internal combustion engine was developed.

Methodology takes into account the influence of heat insulation

on the indicator process. A comparative assessment of

the parameters of the high-frequency surface temperature

fluctuations in the combustion chamber and heat-insulated

piston-engine 4 CHN 12/14 was carried out. Il. 5. Bibliog. 11

names.