UDС 621.436: 621.74

Taran S.B. Estimation of thermal endurance of pistons in dependence on their material / S.B.Taran, O.V.Akimov, A.P.Marchenko // Internal combustion engines – 2010. – №

1. – P. 70-72.

On the basis of pistons thermal state statistical analysis

and working descriptions of their material the criterion of

estimation of thermal endurance is offered. The main constituent

of analysis is specific work of resiliently-plastic deformation

at a working temperature. It enables just to do the

tests on a pattern’s break at the set temperature and to carry

out comparatively the rapid estimation of piston’s fitness for

the highly forced diesel engines. Il. 1. Bibliog. 2 names.