UDC 621.43.016

Trineyv O.W. Analysis of the exhaust valves’ state of stress after imposed mechanical load in the high-speed diesel / O.W.Trineyv, W.T. Kovalenko, A.T. Tikhonenko, gines.

– 2010. – № 2. – P.65-69.

With growing of temperature mechanical properties of

valve’s steel have a proof tendency to worsening. Thus

growth of level of forcing of modern high-speed diesels is

accompanied a simultaneous increase both operating temperatures

details GRM and mechanical loadings, in particular

maximal pressure in a cylinder.

In work the estimation of the role of mechanical constituent

in forming the heat-stressed state of exhaust valves of

high-speed diesel has done. The estimation is done on the

basis of calculation and experimental researches. Table 6. Il.

4. Bibliogr. 7 names.