**UDC 621.436: 621.793/.795**

**Sokolov О.D., Mannapova O.V., Moldavanov V.P., Tverdohleb**

**V.I. Piston rings for forced diesel ICE with additional correction pressure diagram // Internal combustion engines. – 2008. – №1. – P. 124-132.**

**The researches findings show, that deposition of plasmaspraying**

**coatings on a piston-ring causes changes of its epure**

**of radial pressures, increase of remaining deformations and**

**diminishing of the conditional module of resiliency, that descriptions**

**determining a capacity and longevity of piston-ring.** **The method of account of influencing of deposition of plasmaspraying**

**coatings is developed at the calculation of shape of**

**purveyance of piston-ring, the table of data necessary for a**

**computation is calculated for making such rings in the conditions**

**of manufacturer. It is demonstrated by the engines test**

**ing, that the use of the developed additional correction of epure**

**of piston-rings with plasma coatings allows to decrease the**

**total wear of interface "ring is shell" in the forced diesels engines**

**due to the even adjoining of ring to the shell and to take a**

**wear to the level of wear of hard galvanic chromic coatings.**

**Tаblе. 3. Il. 2. Bibliogr. 14 names.**