

Annotation

During the pre-diploma practice, familiarity with the products and work of the company was carried out, an electromagnet test was carried out, the calculation and selection of the return spring of the solenoid valve, depending on the magnitude of the magnetic gap, the maximum injection pressure and the speed of rotation, with the aim of optimizing the parameters of the E-PPN valves and the necessary electrical control parameters for intelligent rotation control system.

For the modernization of the fuel supply system of existing diesel engines, the most suitable is the system Pump - Pipeline - Injector (E-PPN), since it does not require reworking of diesel engine components during modernization. Such a system is implemented and offered by HEINZMANN.