Plasma technology for increase of operating high pressure fuel pump diesel engines

Solovev R., Sharifullin S., Adigamov N. Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

This paper presents the results of a change in the service life of high pressure fuel pumps of diesel engines on the working surface of the plunger which a wear resistant dielectric plasma coatings based on silicon oxycarbonitride. Such coatings possess high wear resistance, chemical inertness and low friction.

http://dx.doi.org/10.1088/1742-6596/669/1/012050