SUMMARIES
REZIMEA

***Blaža Stojanović**, M.Sc., assistant, University of Kragujevac, Faculty of Mechanical Engineering from Kragujevac, Sestre Janjic 6, 34000 Kragujevac,e-mail: blaza@kg.ac.rs*

***Nenad Miloradović**, M.Sc., assistant, University of Kragujevac, Faculty of Mechanical Engineering from Kragujevac, Sestre Janjic 6, 34000 Kragujevac, e-mail: mnenad@kg.ac.rs*

[1]DEVELOPMENT OF TIMING BELT DRIVES

UDC: 621.83/.85

Abstract

There are not many solutions in the history of automobile engines that had provoked such amount of controversy, praises and critiques, like timing belts. Timing belt drive is relatively young drive that originates from 1950's. Development of timing belt drives continues, regarding both the teeth profiles and the application of new materials that they are made of. Their application grows, primarily thanks to the application of timing belts as drives of IC engine's camshaft. Today, these drives have broad application in all areas of industry.

Key words: timing belt, belt pulley, camshaft

RAZVOJ ZUPČASTIH KAIŠNIH PRENOSNIKA

UDC: 621.83/.85

Rezime: U istoriji automobilskih motora, malo je rešenja koja su izazvala toliko kontraverznih mišljenja, pohvala i kritika, koliko zupčasti kaiš. Zupčasto-kaišni prenosnik predstavlja relativno mlad prenosnik, nastao 50-tih godina XX veka. Razvoj zupčasto-kaišnih prenosnika još uvek traje, kako u pogledu izgleda profila zuba, tako i primeni novih materijala od kojih su napravljeni. Njihova primena raste, zahvaljujući prvenstveno primeni zupčastog kaiša u pogonu bregaste osovine motora sa unutrašnjim sagorevanjem. Danas ovi prenosnici imaju široku primenu u svim oblastima industrije.

Ključne reči: zupčasti kaiš, zupčasti kaišnik, bregasta osovina

[1] Received: March 2009 Primljen: Mart 2009.god
Accepted: May 2009 Prihvaćen: Maj 2009.god