

DETERMINATION THE NORMS OF FUEL CONSUMPTION FOR BUSES IN THE PUBLIC TRANSPORTATION IN REAL CONDITIONS OF EXPLOITATION

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ABSTRACT: Determination the norms of fuel consumption for the buses are operating in the public transportation system is an important indicator of exploitation, which should serve as a benchmark when analysing fuel economy of bus. Viewed from a strategic point of business, optimization of fuel consumption is a significant step in the program of measures relating to reducing the financial expenses of the company. Lower consumption of fuel means better environmental performance for vehicles that are manifested through lower emissions as an important issue in terms of environmental protection and sustainable development.

In this paper presents an example of determining the norms of fuel consumption for the largest group of articulated buses "Solaris Urbino 18", which are in fleet JKP GSP "Beograd" (City Public Transport Company "Belgrade").

The norms were obtained by statistical analysis of the representative sample lines where the buses in operation. Norms of consumption was obtained on the basis of interval estimates of the mean value fuel consumption for selected lines and establishing a correlation dependence of the fuel consumption and exploitation speed of bus.

KEY WORDS: norms of fuel consumption, bus, public transportation

ODREĐJIVANJE NORMATIVA POTROŠNJE GORIVA ZA AUTOBUSE U JAVNOM GRADSKOM PREVOZU U REALNIM USLOVIMA EKSPLOATACIJE

REZIME: Određjivanje normativa potrošnje pogonskog goriva kod autobusa koji se koriste u sistemu javnog gradskog prevoza je važan eksploatacioni pokazatelj, koji je posebno značajan za analizu gorivne ekonomičnosti autobusa. Gledano sa strateške tačke poslovanja, optimizacija potrošnje goriva predstavlja značajan korak u programu mera koje se odnose na smanjenje finansijskih troškova preduzeća. Manja potrošnja goriva daje bolje ekološke performanse vozila odnosno niži nivo emisije štetnih gasova što doprinosi zaštiti životne sredine. U ovom radu predstavljen je primer utvrđivanja normativa potrošnje goriva za grupu zglobnih autobusa " Solaris Urbino 18 ", koji su u voznom parku JKP GSP "Beograd ". Normativi su dobijeni statističkom analizom na reprezentativnom uzorku na linijama gde su autobusi u radu, korišćenjem intervalne ocene srednje vrednosti potrošnje goriva za odabrane linije i uspostavljanjem korelacione zavisnosti eksploatacione brzine kretanja i potrošnje goriva autobusa.

KLJUČNE REČI: normativ potrošnje goriva, autobus, javni prevoz

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