SEAT-BED CABIN MODEL - AN ORIENTATION SUITABLE FOR THE SLEEPER BUS IN VIETNAM'S TRAFFIC EXPLOITATION CONDITIONS

Author: *Pham Xuan Mai, Pham Van Tai*

HCM University of Technology; pmai_2002@yahoo.com
Truong Hai Automotive Joint Stock Company; phamvantai@thaco.com.vn

Abstract:

The sleeper bus is considered as a new type of transportation vehicles in Viet Nam. Being manufactured and greatly used for the North-South long distance transportation route (2500 km) of Vietnam, it is much more comfortable than ordinary coaches in the context of the limitations of other means like airplanes and railway trains. The Truong Hai Automotive Joint Stock Company (shortly called Thaco) has recently designed and manufactured this particular type of transportation vehicle based on the Hyundai – Korea's bare chassis. This paper presents the first phases of the research on a seat-bed cabin sleeper bus model which is suitable for both foreign and domestic passengers; also, it puts forward some research aspects in terms of ergonomics, comfort and aesthetic for passengers all the way. The initial results show that the ergonomic dimensions and the comfort level have proved to satisfy passengers. The reverse engineering has been applied to the designing and manufacturing of this vehicle, which helps to upgrade it more and more in the near future.

Key words: Seat-bed; Sleeper bus; Ergonomy; Comfort; Reverse engineering.