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ABSTRACT

Heavy vehicle pool of Sri Lanka Navy is having three sections such as Machinery pool, Bus pool and Truck pool. However, Bus and Truck pools were considered for this research. There are 26 numbers of the various make of Buses are presently attached to Bus pool and 41 numbers of various make and type Trucks are attached to Truck pool. These vehicle fleet has been managed by Sri Lanka Navy Heavy Vehicle Pool located at Sri Lanka Navy Base Mahasen, Welisara. Though there are large fleet belongs to Sri Lanka Navy, it is observed that there are no proper maintenance policies to achieve effective and efficient operation of Buses and Trucks. Five factors affect the effectiveness of maintenance of heavy vehicle fleets, such as fleet capacity, user profile, operational characteristics, vehicle nature and maintenance operation. To enhance the efficiency and effectiveness of the heavy vehicle maintenance of Sri Lanka Navy, it is required to improve those five factors. Most of the matters can be solved by focusing on these factors. To improve those factors it needs to introduce proper vehicle fleet maintenance policy.

Key Words: Heavy Vehicle Pool, Bus Pool, Truck Pool, Operational Characteristics, Vehicle Nature, Fleet Capacity, User Profile, Maintain Operation.

