

Analysis RUBBER SUSPENSION SYSTEM FOR VEHICLES

Dr.S.S. Khandare , Ex-principal, BDCOE, Nagpur

ABSTRACT:

The suspension system is necessary for any type of vehicle because of road irregularities and stability point of view. The suspension system consists of spring damper and linkages. The suspension system uses various types of springs. The rubber suspension system seems to be suitable because of its advantages over conventional springs. In this research work, a rubber suspension system was fabricated and testing was carried out. This suspension system indicates that it has self-damping characteristics and under free vibrations, the system is under damped. The stiffness of suspension increases with increase of load. This system is flexible to convert suspension to hardness or softness. The paper concludes that it is suitable for two and four wheeled vehicles.