

## **ABSTRACT**

*Brake is the most important components for vehicles and it can be distinguished in two groups, handbrake and pedal brake. Pedal brake is use for reducing the speed of vehicle until it stops besides to prevent wheel spinning undercircumstances. The handbrake is use for stopping the wheel spins ( when we park our vehicles ) and it can be used as a reserved brake ( for example when the pedal brake is not working ).*

*Because of the importance of brake, so it must be designed to stop the vehicle quickly and safely as it wanted. From its type, brake working system can be distinguished to : Braking effect that got from brake shoe surface friction result with disk or tromol, it call mechanics braking. This type can be classified to brock brake, tromol brake, band brake and disk brake. Braking effect that got from magnetism, cycle current, reversing phase, indirect current or with valve exchanging. This type is widely used for lifting equipments like pulley, free pulley or fixed pulley.*