

ABSTRACT

3 AXIS HYDRAULIC TRAILER

Modern Three Axis Hydraulic Modern Trailer has been conceived having studied the difficulty in unloading the materials. In several automobile garages, revealed the facts that mostly some difficult methods were adopted in unloading the materials from the trailer. Now the trailer has mainly concentrated on this difficulty, and hence a suitable arrangement has been designed. Such that the material can be unloaded from the trailer in three axes without application of any impact force. By pressing the direction control valve activated. The fluid is goes to the hydraulic cylinder through valve. The ram of the hydraulic cylinder acts as a lifting the trailer cabin. The automobile engine drive is coupled to the pump, so that it stores the high pressure fluid when the vehicle running. This fluid is used to activate the hydraulic cylinder, when the valve is activated. By this research it is easy for the driver to unload the trailer and also it reduces time and fuel consumption.

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