Gradall Forklift Part

Gradall Forklift Parts - The Gradall excavator was the brainchild of two brothers Koop and ray Ferwerda. The excavator was founded In the 1940's all through World War II, when there was a scarcity of workers. The brothers faced the problems of a depleted workforce due to the war. As partners in their Cleveland, Ohio construction business called Ferwerda-Werba-Ferwerda they lacked the existing laborers so as to do the delicate job of finishing and grading on their interstate projects. The Ferwerda brothers opted to make a machine which will save their company by making the slope grading task more efficient, less manual and easier.

The first excavator prototype consisted of a device with two industrial beams on a rotating platform fixed to a second-hand truck. There was a telescopic cylinder which was used to move the beams back and forth. This enabled the fixed blade at the far end of the beams to push or pull the dirt. Before long enhancing the very first design, the brothers built a triangular boom so as to add more strength. Additionally, they added a tilt cylinder which let the boom rotate 45 degrees in both directions. A cylinder was placed at the back of the boom, powering a long push rod to enable the equipment to be outfitted with either a blade or a bucket attachment.

1992 marked a crucial year for Gradall with their introduction of XL Series hydraulics, the most amazing change in the company's excavators ever since their creation. These top-of-the-line hydraulics systems allowed Gradall excavators to provide high productivity and comparable power on a realistic level to conventional excavators. The XL Series ended the original Gradall equipment power drawn from gear pumps and low pressure hydraulics. These conventional systems efficiently handled finishing work and grading but had a hard time competing for high productivity work.

The new XL Series Gradall excavators proved a remarkable increase in their digging and lifting ability. These versions were made with a piston pump, high-pressure hydraulics system that showed immense improvements in boom and bucket breakout forces. The XL Series hydraulics system was even developed with a load-sensing capability. Traditional excavators use an operator in order to select a working-mode; where the Gradall system can automatically adjust the hydraulic power for the work at hand. This makes the operator's whole task easier and also saves fuel simultaneously.

When the new XL Series hydraulics reached the market, Gradall was thrust into the vastly competitive industrial equipment market that are designed to deal with excavating, demolition, pavement removal and other industrial tasks. The introduction of the new telescoping boom helped to further improve the excavator's marketability. The telescoping boom gives the excavator the ability to work in low overhead areas and to better position attachments.