

Gradall Forklift Part

Gradall Forklift Part - Through the time when WWII caused a scarcity of laborers, the famous Gradall excavator was born in the 1940s as the brainchild of two brothers Koop and Ray Ferwerda. 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 workers to perform the delicate tasks of grading and finishing on their freeway projects. The Ferwerda brothers opted to build an equipment which will save their company by making the slope grading work easier, more efficient and less manual.

The first excavator prototype consisted of a device with two industrial beams on a rotating platform fixed to a used truck. There was a telescopic cylinder that was utilized to move the beams back and forth. This allowed the fixed blade at the far end of the beams to pull or push the dirt. Shortly enhancing the first design, the brothers built a triangular boom to be able to add more strength. What's more, they added a tilt cylinder that let the boom rotate 45 degrees in either direction. A cylinder was placed at the rear of the boom, powering a long push rod to allow the equipment to be outfitted with either a blade or a bucket attachment.

1992 marked a momentous year for Gradall with their launch of XL Series hydraulics, the most amazing change in the company's excavators since their invention. These top-of-the-line hydraulics systems allowed Gradall excavators to deliver comparable power and high productivity on a realistic level to conventional excavators. The XL Series ended the original Gradall equipment power drawn from low pressure hydraulics and gear pumps. These traditional systems successfully handled grading and finishing work but had a difficult time competing for high productivity tasks.

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

As soon as the new XL Series hydraulics reached the market, Gradall was thrust into the extremely competitive industrial machine market that are designed to deal with excavating, demolition, pavement removal as well as different industrial tasks. The introduction of the new telescoping boom helped to further enhance the excavator's marketability. The telescoping boom gives the excavator the ability to work in low overhead areas and to better position attachments.