Gradall Forklift Part

Gradall Forklift Parts - Through the period when WWII created a shortage of workers, the well-known Gradall excavator was founded in the 1940s as the brainchild of two brothers Koop and Ray Ferwerda. Partners in a Cleveland, Ohio construction company referred to as Ferwerda-Werba-Ferwerda, the brothers faced a huge predicament when lots of men left the workforce and signed up in the military, depleting existing workers for the delicate grading and finishing work on highway projects. The Ferwerda brothers decided to make an equipment that will save their business by making the slope grading work less manual, easier and more efficient.

Their very first design prototype was a machine with two beams set on a rotating platform that was attached over a second-hand truck. A telescopic cylinder moved the beams forward and backward that allowed the fixed blade at the end of the beams to push or pull dirt. Before long enhancing the initial design, the brothers built a triangular boom in order to add more strength. Additionally, they added a tilt cylinder that let the boom turn 45 degrees in both directions. A cylinder was positioned at the back of the boom, powering a long push rod to allow the machinery to be equipped with either a bucket or a blade 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 creation. These top-of-the-line hydraulics systems enabled Gradall excavators to deliver comparable power and high productivity on a realistic level to conventional excavators. The XL Series ended the initial Gradall equipment power drawn from low pressure hydraulics and gear pumps. These traditional systems efficiently handled finishing work and grading but had a hard time competing for high productivity tasks.

Gradall's new XL Series excavators showed more ability to lift and dig materials. With this series, the models were produced along with a piston pump, high-pressure system of hydraulics that showed distinct improvement in boom and bucket breakout forces. The XL Series hydraulics system was likewise developed along with a load-sensing capability. Conventional excavators use an operator to pick a working-mode; where the Gradall system could automatically adjust the hydraulic power for the job at hand. This makes the operator's whole task easier and likewise conserves fuel at the same time.

When the new XL Series hydraulics became available in the market, Gradall was thrust into the extremely competitive industrial equipment market which are meant to tackle excavating, demolition, pavement removal as well as several industrial work. The introduction of the new telescoping boom helped to further improve the excavator's marketability. The telescoping boom gives the excavator the ability to better position attachments and to work in low overhead areas.