Gradall Forklift Parts

Gradall Forklift Parts - The Gradall excavator was the brainchild of two brothers Ray and Koop Ferwerda. The excavator was established 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 because of the war. As partners in their Cleveland, Ohio construction company referred to as Ferwerda-Werba-Ferwerda they lacked the existing workers to carry out the delicate tasks of grading and finishing on their interstate projects. The Ferwerda brothers opted to make a machine which will save their business by making the slope grading task easier, more efficient and less manual.

Their initial design prototype was a machine with two beams set on a rotating platform that was attached on top of a second-hand truck. A telescopic cylinder moved the beams back and forth that enabled the fixed blade at the end of the beams to push or pull dirt. Soon enhancing the initial design, the brothers built a triangular boom in order to add more strength. Furthermore, they added a tilt cylinder that let the boom turn 45 degrees in both directions. A cylinder was placed at the rear of the boom, powering a long push rod to allow the machine to be equipped with either a bucket or a blade attachment.

Gradall launched in 1992, with the introduction of the new XL Series hydraulics, the most ground-breaking adjustment in their equipment ever since their creation. This new system of top-of-the-line hydraulics allowed the Gradall excavator to deliver high productivity and comparable power to the more conventional excavators. The XL Series ended the first Gradall equipment power drawn from gear pumps and low pressure hydraulics. These traditional systems effectively handled finishing work and grading but had a difficult time competing for high productivity jobs.

The new XL Series Gradall excavators proved a remarkable increase in their digging and lifting ability. These versions were manufactured along with a piston pump, high-pressure hydraulics system that showed immense improvements in boom and bucket breakout forces. The XL Series hydraulics system was also developed along with a load-sensing capability. Traditional excavators utilize an operator to pick a working-mode; where the Gradall system can automatically adjust the hydraulic power meant for the job at hand. This makes the operator's general work easier and also conserves fuel at the same time.

As soon as their XL Series hydraulics came onto the market, Gradall was essentially thrust into the highly competitive market of machines designed to tackle demolition, pavement removal, excavating as well as various industrial jobs. Marketability was further improved with their telescoping boom due to its exclusive ability to work in low overhead areas and to better position attachments.