

Gradall Forklift Parts

Gradall Forklift Parts - Through the period when WWII caused a shortage of laborers, the well-known Gradall excavator was founded in the 1940s as the idea of two brothers Ray and Koop Ferwerda. The brothers faced the problems of a depleted labor force due to the war. As partners in their Cleveland, Ohio construction company referred to as Ferwerda-Werba-Ferwerda they lacked the existing laborers to carry out the delicate tasks of finishing and grading on their highway projects. The Ferwerda brothers opted to build a machine that will save their business by making the slope grading job less manual, easier and more efficient.

Their initial design model was a machine with two beams set on a rotating platform that was attached atop a second-hand truck. A telescopic cylinder moved the beams back and forth that allowed the fixed blade at the end of the beams to push or pull dirt. Soon enhancing the first design, the brothers built a triangular boom to be able to add more strength. In addition, they added a tilt cylinder which let the boom rotate 45 degrees in both directions. A cylinder was positioned at the rear of the boom, powering a long push rod to enable the equipment 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 remarkable change in the company's excavators ever since their invention. These top-of-the-line hydraulics systems enabled Gradall excavators to provide comparable power and high productivity on a realistic level to conventional excavators. The XL Series ended the first Gradall equipment power drawn from low pressure hydraulics and gear pumps. These conventional systems efficiently handled grading and finishing work but had a hard time competing for high productivity tasks.

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

Once their XL Series hydraulics became available, Gradall was essentially thrust into the highly competitive market of machines designed to deal with excavation, demolition, pavement removal as well as several industrial tasks. Marketability was further enhanced with their telescoping boom because of its exclusive ability to work in low overhead areas and to better position attachments.