Gradall Forklift Part

Gradall Forklift Parts - All through the period when World War II caused a shortage of workers, the well-known Gradall excavator was born in the 1940s as the creation of two brothers Ray and Koop Ferwerda. The brothers faced the problems of a depleted workforce because of the war. As partners in their Cleveland, Ohio construction business called Ferwerda-Werba-Ferwerda they lacked the available workers so as to perform the delicate tasks of finishing and grading on their interstate projects. The Ferwerda brothers opted to make an equipment that will save their business by making the slope grading job less manual, easier and more efficient.

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

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

The new XL Series Gradall excavators proved a significant increase in their lifting and digging ability. These models were made together with a piston pump, high-pressure hydraulics system which showed huge improvements 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 be able to choose a working-mode; where the Gradall system could automatically adjust the hydraulic power meant for the work at hand. This makes the operator's overall task easier and likewise conserves fuel simultaneously.

When their XL Series hydraulics became available, Gradall was essentially thrust into the highly competitive market of equipment meant to tackle excavation, demolition, pavement removal and other industrial jobs. Marketability was further improved with their telescoping boom due to its exclusive ability to better position attachments and to work in low overhead areas.