Gradall Forklift Part

Gradall Forklift Part - The Gradall excavator was the idea of two brothers Koop and ray Ferwerda. The excavator was founded In the 1940's during WWII, when there was a shortage of labourers. The brothers faced the problems of a depleted workforce because of the war. As partners in their Cleveland, Santa Ana construction business referred to as Ferwerda-Werba-Ferwerda they lacked the available laborers to do the delicate job of finishing and grading on their interstate projects. The Ferwerda brothers decided to make a machine that will save their business by making the slope grading job less manual, easier and more efficient.

Their very first design model was a device with two beams set on a rotating platform which was affixed over a used truck. A telescopic cylinder moved the beams forward and backward which allowed the fixed blade at the end of the beams to pull or push dirt. Soon enhancing the first design, the brothers built a triangular boom in order to add more strength. Additionally, they added a tilt cylinder which 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 invention. These top-of-the-line hydraulics systems enabled Gradall excavators to deliver comparable power and high productivity on a realistic level to traditional excavators. The XL Series ended the first Gradall equipment power drawn from low pressure hydraulics and gear pumps. These traditional systems efficiently handled grading and finishing work but had a difficult 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 made with a piston pump, high-pressure system of hydraulics that showed marked improvement in boom and bucket breakout forces. The XL Series hydraulics system was likewise developed along with a load-sensing capability. Traditional excavators use an operator to pick a working-mode; where the Gradall system can automatically adjust the hydraulic power intended for the job at hand. This makes the operator's overall job easier and likewise saves fuel at the same time.

As soon as their XL Series hydraulics became available, Gradall was essentially thrust into the highly competitive market of machinery meant to tackle pavement removal, excavation, demolition as well as different industrial tasks. Marketability was further enhanced with their telescoping boom due to its exclusive ability to better position attachments and to work in low overhead areas.