

Gradall Forklift Parts

Gradall Forklift Part - All through the period when World War II created a shortage of laborers, the famous Gradall excavator was born in the 1940s as the idea of two brothers Koop and Ray Ferwerda. The brothers faced the problems of a depleted labor force due to the war. As partners in their Cleveland, Stockton construction business referred to as Ferwerda-Werba-Ferwerda they lacked the available laborers in order to perform the delicate work of finishing and grading on their interstate projects. The Ferwerda brothers chose to make a machine which will save their company by making the slope grading work easier, more efficient and less manual.

Their very first design model was a device with two beams set on a rotating platform that was affixed on top of a used 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 improving the initial design, the brothers made a triangular boom in order to add more strength. What's more, they added a tilt cylinder that 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 allow the equipment to be outfitted with either a bucket or a blade attachment.

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

Gradall's new XL Series excavators showed more ability to dig and lift materials. With this series, the models were made with a piston pump, high-pressure system of hydraulics that showed noticeable improvement in boom and bucket breakout forces. The XL Series hydraulics system was likewise developed with a load-sensing capability. Conventional excavators utilize an operator in order to pick a working-mode; where the Gradall system can automatically adjust the hydraulic power intended for the work at hand. This makes the operator's overall work easier and likewise saves fuel simultaneously.

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