

Gradall Forklift Parts

Gradall Forklift Parts - All through the period when World War II created a scarcity of workers, the legendary Gradall excavator was founded in the 1940s as the creation of two brothers Koop and Ray Ferwerda. Partners in a Cleveland, Ohio construction company referred to as Ferwerda-Werba-Ferwerda, the brothers faced a huge predicament when a lot of men left the labor force and joined the military, depleting available laborers for the delicate grading and finishing work on highway projects. The Ferwerda brothers decided to build a machine that will save their business by making the slope grading work easier, more efficient and less manual.

The first excavator prototype consisted of a device with two industrial beams on a rotating platform fixed to a second-hand truck. There was a telescopic cylinder that was used 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. Shortly enhancing the very first design, the brothers built a triangular boom in order to add more strength. Also, they added a tilt cylinder which let the boom rotate 45 degrees in either direction. A cylinder was positioned at the rear of the boom, powering a long push rod to enable the machinery to be equipped with either a blade or a bucket attachment.

1992 marked a significant 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 deliver high productivity and comparable power on a realistic level to conventional excavators. The XL Series ended the first Gradall equipment power drawn from gear pumps and low pressure hydraulics. These conventional systems effectively handled finishing work and grading but had a difficult time competing for high productivity jobs.

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

As soon as their XL Series hydraulics came onto the market, Gradall was basically thrust into the highly competitive market of machinery designed to tackle pavement removal, excavation, demolition and different industrial work. Marketability was further improved with their telescoping boom because of its exclusive ability to work in low overhead areas and to better position attachments.