Gradall Forklift Parts

Gradall Forklift Parts - The Gradall excavator was the creation of two brothers Ray and Koop Ferwerda. The excavator was founded In the 1940's through World War II, when there was a shortage of labourers. The brothers faced the problems of a depleted labor force due to the war. As partners in their Cleveland, Ohio construction business known as Ferwerda-Werba-Ferwerda they lacked the available laborers in order to perform the delicate work of grading and finishing on their freeway projects. The Ferwerda brothers opted to make an equipment which will save their company by making the slope grading task less manual, easier and more efficient.

Their initial design prototype was a machine with two beams set on a rotating platform which was attached on top of a used truck. A telescopic cylinder moved the beams back and forth which allowed the fixed blade at the end of the beams to pull or push dirt. Before long enhancing the very first design, the brothers made a triangular boom in order to add more strength. Also, they added a tilt cylinder that let the boom turn 45 degrees in either direction. 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.

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 allowed Gradall excavators to provide comparable power and high productivity on a realistic level to conventional excavators. The XL Series put an end to the initial Gradall equipment power drawn from low pressure hydraulics and gear pumps. These conventional systems successfully handled finishing work and grading but had a hard 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 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 select a working-mode; where the Gradall system can automatically adjust the hydraulic power meant for the task at hand. This makes the operator's overall work easier and even saves fuel simultaneously.

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