

**LOCTITE***Adhesives for more  
reliable assemblies***APPLICATION CASE HISTORY****No. 219**

## Loctite® Instant Gasket Stops The Leak

### *Gasketing Material Provides Time-Saving Solution*

**Situation:**

Motion Industries operates an industrial equipment service/repair shop located in Nashville, Tennessee. Mike Scott, their hydraulic/gearbox specialist, was experiencing some difficulties sealing the end cap on a tie rod hydraulic cylinder he was repairing. The hydraulic cylinder was sealed by an O-ring that was seated in the end cap. This particular end cap had an irregular surface with some pitting. Scott tried to replace the O-ring with a Teflon® seal, but it still did not provide a leak-free component.

**Solution:**

Scott found some samples of Loctite® Instant Gasket and decided to try it.

Just one can of Loctite Instant Gasket makes gaskets of any size or shape, eliminating the costly need to stock, source or measure hundreds of different size or shape industrial or automotive cut gaskets. It's easy to use with no waste or mess, forming a durable, tough rubber gasket. It provides an instant seal for most applications, so equipment and machinery can be returned to service immediately — there's no waiting for sealants to cure, thus reducing costly downtime. Instant Gasket is an ideal replacement for most rubber, felt, paper and cork cut gaskets found on compressors, gearboxes, oil pans, side covers, stamped sheet metal covers and more.

**Results:**

Scott applied a bead of Loctite Instant Gasket into the O-ring seat within the end cap (approximately 1/4" in diameter) and reassembled the cylinder. Within five minutes of assembly, Scott pressure tested the cylinder to 2,000 psi and noted "no leakage."\* The gap fill was within the 0.005" range.

"Using Instant Gasket saved time because we didn't have to wait for a gasket to be made," said Scott. "You can use Loctite Instant Gasket right away, and it sets up quickly. It's a great product to have on hand for all our gasket replacement needs."

Since this repair, Scott has used Loctite Instant Gasket to seal gearbox and hydraulic inspection covers, and other difficult to seal applications.



*Return equipment to service immediately with Loctite® Instant Gasket. Leakproof gaskets are made in just one minute.*

\*Performance varies with substrate, gap and pressure.

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