

**Urethane replaces Neoprene/nitrile rubber in pipeline pig. Improves cost/performance.**

Benefits:

- 5 to 20 times longer lasting
- reduced maintenance costs
- improved abrasion resistance
- improved resistance to oils and chemicals
- dimensional stability
- flexibility to pipeline configurations
- friction resistance
- reduced tooling costs

A manufacturer of pipeline pigs, who replaced rubber scraper cups with polyurethane, noted that the new cups were tougher in field use and improved cost/performance over ten times, depending on the pipeline and throughput conditions.

Excellent abrasion and hydrocarbon resistance, as well as load-bearing capacity, were cited as reasons for the conversion.

The polyurethane cups out-performed-Neoprene and nitrile rubber in abrasion and chemical resistance, outlasting these materials at least five times, and in some cases, extending to twenty times.

Lower tooling costs offered further savings and provided flexibility in manufacturing a variety of parts, in a range of sizes, in limited production runs.

- Tire manufacturer replaces steel mill roll with polyurethane-coated roll and gained three-fold improvement in cost efficiency.