

Heavy-duty polyurethane parts replace metal pipe in oil field drilling mud de-silter for longer life and reduced unit costs.

Benefits:

- lower-cost castable parts
- flexibility in design configuration
- toughness
- extended field wear
- chemical and abrasion resistance
- moisture resistance

Oil field drilling mud recycling systems are a tough environment for parts. Because they are resistant to abrasion and corrosion from chemicals and will not rust, polyurethane parts have demonstrated superior performance in the demanding oil production operations.

A large equipment manufacturer converted from metal to cast polyurethane de-silter manifold parts.

Production of the previous metal parts was more labor intensive requiring specialized machining, finishing and coating, and wear life was limited.

Continued field use has confirmed that polyurethane materials provide better cost/performance.