



# TIM'S TECH TIPS



## Cylinder Barrel Replacement

To handle the high pressure and decompression spikes that occur in attachments, cylinder barrels are made of a custom, heat-treated material that is not commonly used in other industries.

This material gives the barrels good memory characteristics that enable them to return to

their normal dimensions after being over pressurized. It also makes them very high strength.

We occasionally get calls from people who have had their local hydraulic shop manufacture a barrel for them only to have it fail within a very short period of time.

This failure is due to the shop using an improper barrel material that swells under pressure but doesn't return to the original dimension. When there is too much clearance on the gland end of the barrel, the gland-to-barrel seal will fail right away, and the new barrel is now headed for the scrap pile. It is a very expensive and time-consuming failure.

To ensure your attachment's cylinder barrel is properly repaired, Genesis recommends purchasing only factory replacement parts or purchasing a new cylinder.



---

A short cut repair may cost you in the long run. Contact Tim at 218-349-5755, [talseth@genesisattachments.com](mailto:talseth@genesisattachments.com), or Loren at 715-919-8316, [llagesse@genesisattachments.com](mailto:llagesse@genesisattachments.com), with any questions about how to repair a cylinder barrel.