

I N T R O D U C I N G

# Lubrication Pump Coupling Upgrade

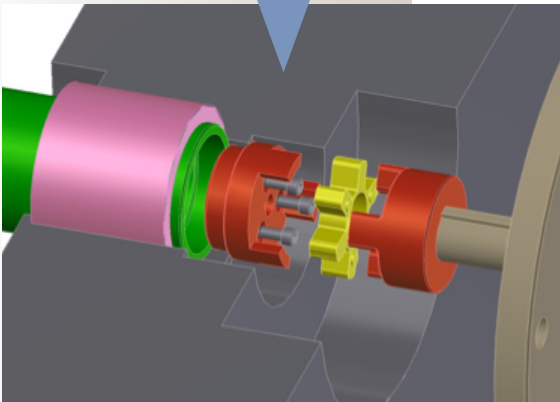
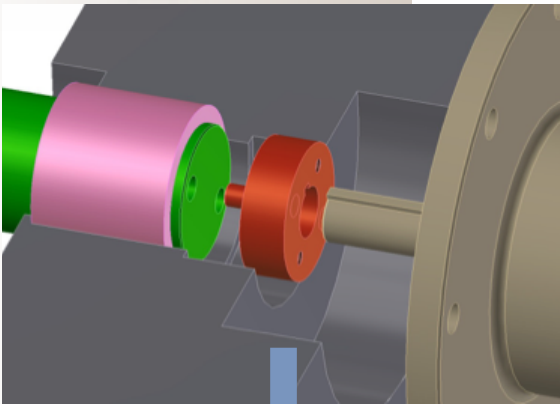
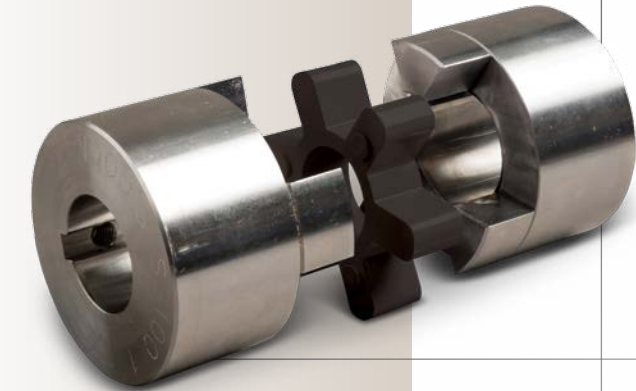
## Charging Pump Speed Increaser

- **Upgraded design eliminates costly gear shaft and coupling wear**
- **Custom-designed TB Wood's Jaw Type Coupling**
- **Provides greater degree of safety**

For many years nuclear power plants have struggled with wear problems on the two-pin type lubrication pump coupling. The coupling is mounted on the lubrication pump for the speed increaser self-contained force feed oil system and is driven by two holes on the end of the low speed gear shaft. Wear on the pins and oblong holes in the end of the shaft have caused maintenance headaches and even catastrophic failure of the speed increasers due to loss of lubrication.

Nuttall Gear now has a permanent solution to this problem. In conjunction with our sister company, TB Wood's, we now offer an upgrade that eliminates the two-pin type coupling and replaces it with a custom-designed three jaw type coupling with buna insert. Nuttall Gear can upgrade existing gear shafts to accept the new style coupling, even if they have years of wear from the two-pin type design. This design is already in use at several nuclear plants and is proven to be effective at eliminating the wear problems of the old design.

Since 1960 Nuttall Gear has supplied superior quality speed increasers for various pumps in nuclear power applications. Nuttall Gear continues to supply parts, service and upgraded gear sets for these units under our 10CFR50 Appendix B program. By partnering with Nuttall Gear, you are assured that replacement components are genuine and manufactured to meet or exceed original design specifications.



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