



Questions? Contact the Applications Department at (651) 450-5234, Press 3.

TECHNICAL BULLETIN No. 0108

TC10/TC20 Series Transmission

Effective on orders scheduled to ship January 3, 2011, the TC20 Series Power Take-Off will replace the TC10 Series Power Take-off. The key improvements are listed below:

- **Case Dimensions:** The envelope size of the TC20 has been decreased. The dimensional differences between the TC10 and TC20 Series are shown in [A-1175, TC10 to TC20 Series PTO Dimensional Differences](#).
- **Case Weight:**
 - **Case:** The TC20 Series case weighs 31 lbs. (14 kg) less than the TC10 Series
 - **Lubrication:** The TC20 Series uses 8 quarts of lubricant versus 12 quarts for the TC10 Series. This results in 7 lbs. (3.2 kg) of weight savings plus an additional cost savings (purchasing less lubricant).
- **Internal Component Inspection:** The TC20 Series design includes a pan on the bottom of the case which can be removed to inspect internal driveline components.
- **Improved Shifting:** The new shift design allows for greater shift force. Coupled with the Allison Transmission MY09 software enhancements, improvement has been achieved for the engagement and disengagement of split-shaft (pump) transmissions (see [Technical Bulletin No. 103, Allison Transmission Software Changes](#)).

NOTE: The information in this technical bulletin was current at the time of printing. Waterous reserves the right to change this information.