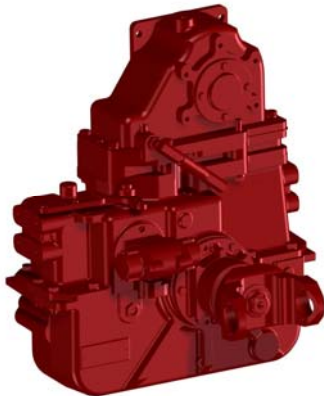


TECHNICAL BULLETIN No. 0104

C20 Series Transmission

Effective on orders scheduled to ship September 1, 2009, the C20 Series Transmission will replace the C10 Series Transmission. The key improvements are listed below:

- **Case Dimensions:** The envelope size of the C20 has been decreased. The dimensional differences between the C10 and C20 Series are shown in [A-1167, C10 to C20 Series Transmission Dimensional Comparison](#).
- **Case Weight:**
 - **Case:** The C20 Series case weighs 31 lbs. (14 kg) less than the C10 Series
 - **Lubrication:** The C20 Series uses 8 quarts of lubricant versus 12 quarts for the C10 Series. This results in 7 lbs. (3.2 kg) of weight savings plus an additional cost savings (purchasing less lubricant).
- **Internal Component Inspection:** The C20 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](#)).



C10 Transmisson



C20 Transmission

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