



A **torque converter** is a type of fluid coupling, which allows the engine to spin somewhat independently of the transmission. Trucks with torque converter are proved to be more capable of accelerating in difficult conditions such as great slopes than the simple ones.

Role of the torque converter:

- Multiplies torque generated by the engine
- Serves as an automatic clutch which transmits engine torque to the transmission
- Absorbs torsional vibration of the engine and drivetrain
- Smooths out engine rotation
- Drives the oil pump of the hydraulic control system