



American Axle Power Take Off Unit Housing



American Axle's Power Take Off Unit Housing (PTU) are mechanical gearboxes attached to the transmissions to transmit torque from the engine to the rear axle. American Axle utilized a new lightweighting methodology which involved developing a new design based on structural optimization, manufacturing requirements and results for solidification validation all at one.

Category:
Module

Application:
2016 General Motors Equinox

Weight Savings:
17% lighter after
structural optimization

Methodology:
Topology Optimization