

Topic 1

2 speed E-axle clutch investigation

Thesis extract

- Determination different application fields of 2 Speed E-axles
- Definition of necessary requirements/functions of 2 Speed clutches in these applications
- Driver profile analysis based on existing models
- Evaluate different type of clutches (wet/dry, open/closed), collect pros/cons, define the limits of application. Considering of cost and efficiency is also necessary. Building criteria system, decision matrix
- The focus is to find the best clutch type for each application

- Example study must be showed (design with calculation of a chosen system, evaluation of results according to the predefined criteriasystem)