

ANSYS support helps to address design challenge in belt cover assembly

Background

- *Autoliv India has been leveraging ANSYS simulations in structural analysis and heat transfer to accelerate product design for the active and passive automotive safety business.*
- *Autoliv engineers were challenged to design a new O-ring as part of a product development project.*
- *ANSYS support helped Autoliv to address this design challenge through virtual simulation.*

ANSYS Solution

Experienced ANSYS support engineers:

- *Shared relevant technical content documents and their knowledge on belt cover simulation.*
- *Helped in converging the simulation settings to properly capture hyperplastic material compression.*

“Thanks to the technical support team from ANSYS for assisting in O-ring design for a belt cover assembly using ANSYS Workbench. Our team at Autoliv is now able to do O-ring analysis and obtain proper convergence.”

*Thangapandian
Engineer
Autoliv India*

Key Results

ANSYS Support services helped to:

- *Understand the theory and settings required for hyperplastic material compression.*
- *Refine the simulation settings to capture the O-ring contact pressure.*
- *Ensure that the simulation converged.*

Shortened Learning Curve

Employed Best Practices

Interpreted Results