

## Project 04

Finite element analysis of drum to evaluate failure

Project Data:

- Review complete hoisting system and perform audit to determine the best method of increasing production from existing hoisting plant.
- Analysis confirmed the conversion of conveyances to new design with light construction and cage with additional decks to limit caging time. Increase in hoisting payload from 7 to 8 tons from a depth of 5,800 feet.
- Perform testing of conveyances prior to installation