

Extrusion

■ Screws (Observation period: 6 years)

Product: Rubber tubes from: **Continental** 

Challenge:

- Abrasive wear caused by particles in the elastomer
- Fretting between screw & barrel

Before: Amor plating

- Life time of stellite: 18 months
- Wear control: 4x / year
- Total costs for 6 years: 31,188 €

Now: CrN 400°C coating

- Life time of CrN: even after 6 years no wear
- Wear control: 1x / year
- Total costs for 6 years: 12,840 €
- Saving after 6 years: 18,348 € (59%)

