

PIGTAIL INSPECTION

Monitoring the creep condition of outlet pigtails



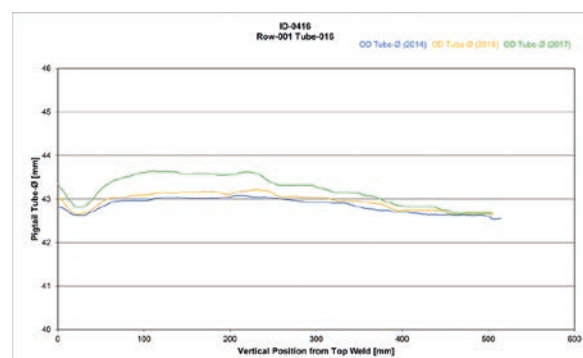
Digital assessment of creep growth on outlet pigtails

Outlet pigtails are critical components which commonly cause unscheduled shutdowns and therefore, need a close inspection due to their location and intended function. For the identification and determination of creep, FOERSTER has developed a unique device for measuring pigtails diametrically from the catalyst tube outlet to the manifold.

The measurements are taken on two axes; this configuration enables evaluation of diametrical growth of both the straight pigtail sections and the bends, considering the inherent (and normal) differences in diameter due to the bending process. It provides an accurate diameter profile over the complete length of the pigtail, resulting in an assessment of creep in digital form that can be used as reference for future evaluations.

The benefits

- **Mechanical diameter measurement** on two axes
- **Evaluation of straight sections and bends**
- **Fast, reliable, and repeatable application**, compared to manual gauge testing
- **Assessment of creep** in digital form
- **Pigtail damage is independent** of catalyst tube condition
- **Preventive measure** to avoid unscheduled shutdowns by pigtail failures



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