



Webinar

Coating for unique Transfer Line Exchanger durability

All parts of a Transfer Line Exchanger are affected by erosion with the most possible erosion damages up on the gas side. They occur often during decoking or unfavorable operation conditions but can also happen in regular operation. Weld repair of damages are challenging and sometimes carried out incorrectly. This can lead to leaky weld seams due to improperly performed welding.

The right choice of the material for the erosion resistant layer is crucial to ensure a proper wear protection and a long life time. Therefore, the particle properties and the interaction between particles and wear resistant material have to be considered as well as the microscopic wear mechanism to find the appropriate material for the erosion resistant layer. This is done by the fabrication of test pieces, their metallurgical assessment and the experimental determination of the erosion properties of the individual protection coatings under laboratory conditions.

SCHMIDTSCH SCHACK has developed a special fabrication procedure to apply erosion resistant material onto the Transfer Line Exchanger parts, enhancing durability and improving overall reliability.

In the webinar an overview is given how SCHMIDTSCH SCHACK identifies the appropriate erosion resistant material and manufacturing procedure to meet operator's demands. Strategies how to prevent failures during weld repair and how SCHMIDTSCH SCHACK can directly support the operator in case of damages are also addressed.