

WE 270 - Introduction to Industrial Sealing Solutions

Recommended for

Service, maintenance, machine repair, or plant/facility engineering staff of an industrial plant, OEM facility, institution, public utility or commercial building which uses the seals in their rotating equipment. Those interested in industrial sealing solutions to arrest / prevent leaks in rotating equipment.

Course objective

The course objective is to provide information to improve the service life of the industrial seals, which improves the reliability of rotating equipment.

Pre-requisites

Participants should have an understanding of industrial safety. A fundamental knowledge of and ability to use basic hand tools is required.

Course description

Industrial sealing solutions uses a combination of hands-on training, audio visuals, lectures and discussion opportunities. Specific topics include:

Seals - General Concepts

- Seal types and different applications
- Seal selection criteria
- Operating conditions
- Sealing standards

Seal Nomenclatures

- Anatomy of Radial shaft seals
- Seal lip - Tribology
- Seal materials
- Physical and chemical properties

Seal Installation and Maintenance

- Seal installation procedures
- Special tools for seal installations
- Seal validation and testing

Seal Storage and Handling

- Seals storage procedures
- Seals handling tips

Seals Failure Analysis

- Systematic approach
- Seals types of failures
- Seal failure modes and corrective actions
- Seals trouble shooting techniques

Course length

2 days