



Boiler Operation Performance and Maintenance

Course objectives

- Fundamentals, and classifications of boilers
- Boiler auxiliaries and appurtenances
- Functions of controls and safety devices
- Requirements of boiler rooms
- Steam boiler operation
- How to complete operation log sheet
- Essential procedures relating power boiler maintenance
- How to develop and establish maintenance program for boilers
- Appropriate water treatment methods
- Causes of explosions and failures of boilers

Course Outline:

Boiler Fundamentals

- Definitions, boiler classifications
- Power boilers, heating boilers
- Water tube boilers, fire tube boilers
- Boiler codes and standards
- Jurisdictional requirements

Boiler Auxiliaries and Appurtenances

- Air system
- Fuel system
- Steam system
- Feedwater system
- Draft system
- Blowdown system

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