

Introduction to API 570

- 1.1 Overview of API 570
- 1.2 Importance of API 570 Certification
- 1.3 Role of API 570 Inspector

Regulatory Framework

- 2.1 Overview of Relevant Codes and Standards
- 2.2 Introduction to API 570 Code Requirements
- 2.3 Applicable Laws and Regulations

Scope and Definitions

- 3.1 Scope of API 570 Inspection
- 3.2 Definitions and Terminology

Inspection Planning

- 4.1 Pre-Inspection Activities
- 4.2 Inspection Procedures and Documentation
- 4.3 Risk-Based Inspection (RBI) Concepts

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- 5.1 Material Specifications
- 5.2 Welding Processes and Techniques
- 5.3 Welding Inspection and Non-Destructive Examination (NDE)
- 5.4 Post-Weld Heat Treatment (PWHT)

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- 6.1 Types of Corrosion
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- 6.3 Corrosion Monitoring and Inspection Techniques



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- 7.1 Pressure Vessel Design and Construction
- 7.2 Pressure Testing and Re-rating
- 7.3 Fitness-for-Service (FFS) Assessment

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- 8.1 Piping Design and Construction
- 8.2 Piping Inspection and Integrity Assessment
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- 9.1 Visual Inspection
- 9.2 Ultrasonic Testing (UT)
- 9.3 Magnetic Particle Testing (MT)
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- 10.1 Inspection Reports and Records
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- 12.1 Real-life Case Studies
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- 12.3 Problem-Solving and Decision-Making Scenarios

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