



Day 1: Introduction to API 5B Standards 1.1. Overview of API 5B 1.2. History and Evolution of API 5B 1.3. Importance of API 5B in the Industry 1.4. Key Terminologies and Definitions 1.5. API 5B Documentation

Day 2: API 5B Material Requirements 2.1. Material Selection and Properties 2.2. Heat Treatment Processes 2.3. Inspection and Testing of Materials 2.4. Compliance with API 5B Material Standards 2.5. Case Studies and Practical Applications

Day 3: API 5B Thread Specifications 3.1. Thread Types and Profiles 3.2. Thread Measurement and Tolerances 3.3. API 5B Thread Gauges 3.4. Thread Inspection and Quality Control 3.5. Hands-On Thread Inspection Exercises

Day 4: API 5B Tubing and Casing Connections 4.1. Tubing and Casing Overview 4.2. API 5B Threaded Connections 4.3. Premium Connections 4.4. Testing and Evaluation of Tubing and Casing Connections 4.5. Troubleshooting and Maintenance

Day 5: API 5B Inspection and Compliance 5.1. Inspection Procedures and Guidelines 5.2. Quality Control in Manufacturing 5.3. Non-Destructive Testing (NDT) 5.4. Compliance with API 5B Standards 5.5. Course Recap and Q&A Session