Valid API-SIEE Test Papers - API-SIEE Interactive EBook

American Petroleum Institute
Individual Certification Programs: ICP™

BODY OF KNOWLEDGE FOR
API SIEE SOURCE INSPECTOR ELECTRICAL EQUIPMENT
CERTIFICATION EXAM

The API Source Inspector programs qualify individuals who perform the important task of quality surveillance of materials, equipment, and fabrications at the supplier/vendor level in the oil, petrochemical and gas industries. API SIEE - Source Inspector Electrical Equipment will cover inspection of electrical material and equipment, such as:

- Junction Boxes
- Control Panels
- Electrical Systems
- Transformers
- Switchgears
- Motor Control Centers
- Electric Motors (over 500 HP)

The exam consists of 110 scored questions and 10 pretest questions; and runs for 3 hours and 15 minutes; no references are available during the exam, and nothing may be brought into the test center.

The exam focuses on the content of API SIEE Study Guide and other referenced publications.

REFERENCE PUBLICATIONS:

A. API Publications

- **Guide for Source Inspection and Quality Surveillance of Electrical Equipment**
- **API Recommended Practice 540,** *Electrical Installations in Petroleum Processing Plants*
- **API Standard 541,** *Form-wound Squirrel Cage Induction Motors- 375 kW (500 Horsepower) and Larger*
- **API Recommended Practice 14F**, *Design, Installation, and Maintenance of Electrical Systems for Fixed and Floating Offshore Petroleum Facilities for Unclassified and Class 1, Division 1 and Division 2 Locations*
- **API Recommended Practice 14FZ**, *Design, Installation, and Maintenance of Electrical Systems for Fixed and Floating Offshore Petroleum Facilities for Unclassified and Class I, Zone 0, Zone 1, and Zone 2 Locations*

B. Institute of Electrical and Electronics Engineers (IEEE)

- **IEEE 141**, Recommended Practice for Electric Power Distribution for Industrial Plants
- **IEEE 841,** *Standard for Petroleum and Chemical Industry--Premium-Efficiency, Severe-Duty, Totally Enclosed Squirrel Cage Induction Motors from 0.75 kW to 370 kW (1 hp to 500 hp).*
- **IEEE C37.20.1a,** *Metal-Enclosed Low-Voltage (1000 V ac and below, 3200 V dc and below) Power Circuit Breaker Switchgear – Amendment 1: Control and Secondary*

Page 1 of 4

SIEE_BOK

For candidates who are going to buying API-SIEE exam materials, the pas rate for the exam is quite important, and it will decide whether you can pass your exam successfully or not. Pass rate for is 98.65% for API-SIEE exam materials, and if you choose us, we can help you pass the exam just one time. In addition API-SIEE Exam Materials are high quality and accuracy, and they can improve your efficiency. We are pass guarantee and money back guarantee for API-SIEE exam dumps, if you fail to pass the exam, we will give you full refund.

API API-SIEE Exam Syllabus Topics:

Topic	Details
Topic 1	• Terms and Definitions: Covers the foundational terminology and definitions used throughout electrical source inspection work.
Topic 2	• Source Inspection Performance: Covers inspector conduct, safety, project document review, report writing, and handling nonconformances and deviations during inspections.
Topic 3	• Electrical Induction Motors: Covers design and construction standards, materials of construction, and motor testing requirements for electrical induction motors.
Topic 4	• Source Inspection Management Program: Addresses the organizational framework and management practices that govern source inspection programs.

Topic 5	• Motor Control Centers (Low to Medium Voltage): Covers design standards, materials, enclosure types, breakers, amp capacity, cable entry, and grounding components for MCCs.
Topic 6	• Equipment Risk Assessment: Focuses on developing inspection project plans, inspection and test plans, and reviewing reports to assess equipment risk.
Topic 7	• Switchgear (Low & Medium Voltage): Covers design, construction, ratings, interlocks, wiring, enclosures, bus compartments, breakers, transformers, and metering for LV and MV switchgear.
Topic 8	• Electrical Skid Mounted Equipment: Addresses inspection of skid-mounted assemblies including hazardous location equipment, grounding, cable systems, control wiring, and applicable codes.
Topic 9	• Liquid-Immersed Transformers: Covers the design, construction, and applicable industry codes and standards for liquid-immersed transformers.

Quiz Perfect API-SIEE - Valid Source Inspector Electrical Equipment Test Papers

In today's society, the pace of life is very fast. No matter what your current status is API-SIEE exam questions can save you the most time, and then pass the exam while still having your own life time. The users of the API-SIEE Study Materials are very extensive, but everyone has a common feature, that is, hope to obtain the API-SIEE certification in the shortest possible time. You can really do this in our API-SIEE learning guide.

API Source Inspector Electrical Equipment Sample Questions (Q52-Q57):

NEW QUESTION # 52
According to API 541, subsequent to completion of manufacture and testing, the vendor shall revise and resubmit the previously supplied purchase data including all the following except:

- A. as-built data sheet.
- B. operating manual.
- C. shop test data.
- D. rotor-balance report.

Answer: D

Explanation:
The correct answer isA. UnderAPI 541, after manufacture and testing are complete, the vendor is required torevise and resubmit previously supplied purchase datato reflect the final delivered motor configuration and verified test results. This normally includes items such as theoperating manual, theas-built data sheet, and theshop test data, because these documents are part of the final turnover package needed by the purchaser for installation, operation, maintenance, and records of compliance.
Arotor-balance reportmay certainly exist as part of manufacturing quality records or internal test documentation, and it can be important for vibration and mechanical integrity. However, it isnot typically identified as part of the revised and resubmitted purchase data setin the same way as the operating manual, as- built data sheet, and shop test data. In source inspection practice, this distinction matters because not every internal manufacturing record becomes part of the formal purchaser data resubmittal package. Therefore, among the listed options, the item that is the exception is therotor-balance report, makingoption Athe verified answer.

NEW QUESTION # 53
According to NFPA 70, equipment shall be marked to show the hazardous environment for which it has been evaluated. Markings on this equipment shall include which of the following?

- A. Class, voltage, current, material of construction, equipment temperature
- B. Class, division, material classification group, equipment temperature, ambient temperature range
- C. Class, division, material of construction, equipment temperature, ambient temperature range

- D. Class, voltage, material classification group, operating temperature, ambient temperature range

Answer: B

Explanation:
The correct answer isB. For equipment intended for hazardous locations,NFPA 70requires marking that identifies the hazardous environment for which the equipment has been evaluated. Those markings must communicate the essential classification information needed for safe application in the field. This includes theClassof hazardous location, theDivisionwhere applicable, thematerial classification group, theequipment temperatureor temperature code, and theambient temperature rangewhen relevant. These markings allow the user, inspector, and installer to confirm that the equipment is suitable for the specific flammable gas, vapor, dust, or fiber hazard present at the site.
From an API source inspection perspective, this is a critical verification item during final inspection because hazardous-area suitability depends not only on construction, but also on propernameplate and marking compliance. The inspector must confirm that the marked classification agrees with the purchase specification, area classification documents, and certification data. Options A, C, and D are incorrect becausevoltage, current, andmaterial of constructionare not the specific hazardous-location marking elements asked for here.
The required hazardous-environment marking set is most accurately described inB.

NEW QUESTION # 54
According to API 541, during a witness or observed test of a 500 hp kW induction motor, the purchaser shall have the right to observe all the following, which may occur due to the expected or unexpected part or event of the test except:

- A. disassembly of the rotor.
- B. reassembly of the motor.
- C. dismantling of the motor.
- D. inspection of the motor.

Answer: A

Explanation:
The correct answer isC. disassembly of the rotor. In API 541 witness or observed testing practice for large induction motors, the purchaser has the right to observe activities that may become necessary as part of the test process, includingdismantling of the motor, inspection of the motor, and reassembly of the motor. These actions are directly related to investigating test issues, verifying construction, checking condition after a test event, and confirming that the motor is properly restored following inspection.
The rotor itself is normally treated as a major internal component of the motor, butdisassembly of the rotoris not a standard purchaser observation right described in the same way. A rotor may beremovedor examined if necessary, but "disassembly of the rotor" suggests taking apart the rotor assembly itself, which is not the expected wording or normal scope of witness rights during standard API 541 test observation. For source inspection purposes, this distinction matters because inspectors must recognize the difference between observation of motor-level teardown and reassembly versus unnecessary or nonstandard internal component disassembly. Therefore,Cis the exception.

NEW QUESTION # 55
Which referenced standard in the guide applies to metal-enclosed low-voltage power circuit breaker switchgear?

- A. ANSI/IEEE C57.12.00
- B. NEMA 250 only
- C. API RP 14FZ
- D. ANSI/IEEE C37.20.1

Answer: D

NEW QUESTION # 56
A source inspection coordinator is determining whether an item should receive resident inspection rather than final inspection only. Which factor is MOST directly relevant?

- A. Color of enclosure paint
- B. Probability and consequence of failure
- C. Whether the item is stored indoors

- D. Number of supplier sales offices

Answer: B

NEW QUESTION # 57
.....

For purchasing the API-SIEE study guide, the cndidates may have the concern of the safety of the websites, we provide you a safety network environment for you. We have occupied in this business for years, and the website and the API-SIEE Study Guide of our company is of good reputation. We also have professionals offer you the guide and advice. API-SIEE study guide will provide you the knowledge point as well as answers, it will help you to pass it.

API-SIEE Interactive EBook: https://www.vce4plus.com/API/API-SIEE-valid-vce-dumps.html