

API-571 Interactive Practice Exam, Practice API-571 Mock

API 571 Practice Exam #1 Questions And Correct Answers, 100% Verified

At what oxygen content would many metals become flammable even at low pressures, whereas they are non-flammable in air?

- a) >10%
- b) >25%
- c) 20-40%
- d) >40%

B

4.2.20.1

What area of a heater burning fuel oil with numerous impurities would first suffer damage from fuel ash corrosion.

- a) shock tubes
- b) radian tubes
- c) tube hangers and supports
- d) convection tubes

C

4.4.6.4 c)

Hydriding of titanium is a metallurgical phenomenon in which hydrogen diffuses into the titanium and reacts to form an embrittling hydride phase. This can result in a complete loss of ductility with no noticeable sign of corrosion or loss in thickness. Galvanic contact between titanium and more active materials such as carbon steel can have what affect?

- a) promotes damage
- b) insulates the galvanic system and decreases damage
- c) insulates the galvanic system and decreases damage only if pure titanium is used (not titanium alloys)
- d) all of the above

A

5.1.3.2.3 c)

When connected to a more anodic material in cooling water:

- a) titanium may suffer severe hydriding embrittlement
- b) titanium may suffer severe hydriding embrittlement below 180°F (82°C)
- c) titanium becomes immune to corrosion
- d) titanium becomes almost immune to corrosion

A

4.3.4.3 k)

What form of fatigue cracking develops under the combined effects of cyclic loading and corrosion and are evidenced by very little plastic deformation where the final fracture may occur by mechanical overload accompanied by plastic deformation?

- a) corrosion fatigue

P.S. Free 2025 API API-571 dumps are available on Google Drive shared by BraindumpsPass: https://drive.google.com/open?id=1MmiP1e-2MA8s8z6bMP72tni_KRN4Ksm0

The API API-571 web-based practice exam software can be easily accessed through browsers like Safari, Google Chrome, and Firefox. The customers do not need to download or install excessive software or applications to take the Corrosion and Materials Professional (API-571) web-based practice exam. The API-571 web-based practice exam software format can be accessed through any operating system like Windows or Mac.

What is the duration of the API-571 Exam

- Format: Multiple choices, multiple answers
- Length of Examination: 3.25 hours
- Number of Questions: 70

>> API-571 Interactive Practice Exam <<

High Pass-Rate API-571 Interactive Practice Exam and Reliable Practice API-571 Mock & Excellent Pass4sure Corrosion and Materials Professional

Pass Guide

As we all know, the examination fees about API-571 exam test is too expensive, so many IT candidates want to get the most valid and useful API-571 study material and expect to pass the actual test at first attempt. BraindumpsPass provide you with the latest API-571 exam prep study material which can ensure you 100% pass. The quality & service of API-571 exam dumps will give you a good shopping experience. The quality and quantities are controlled by strict standards. BraindumpsPass has IT experts handling the latest IT information so as to adjust the outline for the exam dumps at the first time, thus to ensure the API API-571 training exam cram shown front of you is the latest and most relevant.

For more info visit:

API-571 Exam Reference

API Corrosion and Materials Professional Sample Questions (Q29-Q34):

NEW QUESTION # 29

Hydrogen permeation or diffusion rates have been found to be minimal at pH _____ and increase at both higher and lower pH's.

- A. 0
- B. 1
- C. 2
- D. 3

Answer: C

NEW QUESTION # 30

_____ usually occurs when a colder liquid contacts a warmer metal surface.

- A. Stress cracking
- B. Thermal fatigue
- C. Thermal shock
- D. Stress shock

Answer: C

NEW QUESTION # 31

The likelihood of brittle fracture is best lessened by:

- A. Frequent inspection of the piping or equipment involved
- B. Postweld heat treatment (PWHT)
- C. Using carbon or low-alloy steels
- D. Using thicker construction materials to lower the resulting stress

Answer: B

Explanation:

From API RP 571, brittle fracture prevention measures include:

"Postweld Heat Treatment (PWHT) reduces residual stresses in the heat affected zone and base metal, thus lowering susceptibility to brittle fracture."

"PWHT is particularly effective when applied to pressure-containing components fabricated from carbon steel or low-alloy steel that will experience low-temperature service." (Reference: API RP 571, Section 4.2.1.2 - Brittle Fracture) Therefore, while other measures may reduce stress or detect flaws, PWHT directly targets one of the root causes: residual stress. Thus, option D is the best prevention method.

NEW QUESTION # 32

Start-up and shutdown of equipment increase the susceptibility of thermal fatigue. There is no set limit on temperature swings; however, as a practical rule, cracking may be suspected if the temperature swing exceeds about _____.

- A. 150° F
- B. 300° F
- C. 200° F
- D. 250° F

Answer: C

NEW QUESTION # 33

_____ is a selective corrosion mechanism in which one or more constituents of an alloy are preferentially attacked leaving a lower density often porous structure.

- A. Carburization
- B. Dealloying
- C. Preferentially weld attack
- D. Phenol corrosion

Answer: B

NEW QUESTION # 34

.....

Practice API-571 Mock: <https://www.braindumpspass.com/API/API-571-practice-exam-dumps.html>

- Latest API-571 Braindumps Files ↗ API-571 Instant Download ☐ API-571 Guide ☐ Open ✓ www.torrentvalid.com ☐✓ ☐ and search for ➡ API-571 ☐ to download exam materials for free ☐ API-571 Online Exam
- API API-571 Questions - Latest API-571 Dumps [2025] ☐ Go to website ➤ www.pdfvce.com ↖ open and search for ➤ API-571 ↖ to download for free ☐ API-571 Interactive Practice Exam
- API-571 Instant Download ☐ Dump API-571 Collection ☐ Exam Cram API-571 Pdf ☐ Download ✎ API-571 ☐✿ ☐ for free by simply searching on ➤ www.real4dumps.com ↖ ☐ API-571 Interactive Practice Exam
- API-571 Braindump Pdf ☐ Trustworthy API-571 Practice ☐ Trustworthy API-571 Practice ❤ ☐ Search for ✓ API-571 ☐✓ ☐ and download exam materials for free through 「 www.pdfvce.com 」 ☐ Training API-571 Pdf
- 2025 100% Free API-571 –Authoritative 100% Free Interactive Practice Exam | Practice API-571 Mock ☐ The page for free download of ✎ API-571 ☐✿ ☐ on ➤ www.prep4sures.top ↖ will open immediately ☐ API-571 Guide
- Free PDF 2025 API-571: Valid Corrosion and Materials Professional Interactive Practice Exam ☐ Immediately open ➤ www.pdfvce.com ↖ and search for “ API-571 ” to obtain a free download ✓ Testking API-571 Learning Materials
- API API-571 Questions - Latest API-571 Dumps [2025] ☐ Search for ✓ API-571 ☐✓ ☐ and easily obtain a free download on [www.dumps4pdf.com] ☐ Pdf API-571 Version
- Three Formats of Latest API API-571 Practice Material ☐ ➤ www.pdfvce.com ↖ is best website to obtain { API-571 } for free download ☐ API-571 Braindump Pdf
- API-571 Valid Braindumps Sheet ☐ Pdf API-571 Version ☐ Dump API-571 Collection ☐ Enter (www.free4dump.com) and search for ➡ API-571 ☐ to download for free ☐ API-571 Online Exam
- Valid API-571 Dumps ✎ Trustworthy API-571 Practice ☐ Pdf API-571 Version ☐ Open { www.pdfvce.com } and search for « API-571 » to download exam materials for free ☐ API-571 Braindump Pdf
- Exam Cram API-571 Pdf ☐ API-571 Valid Braindumps Sheet ☐ Testking API-571 Learning Materials ☐ Immediately open (www.actual4labs.com) and search for 【 API-571 】 to obtain a free download ☐ API-571 Instant Download
- www.stes.tyc.edu.tw, www.stes.tyc.edu.tw, abdanielscareacademy.com.ng, academy.lbaservices.com, courses.bitacademy.online, www.stes.tyc.edu.tw, www.stes.tyc.edu.tw, www.stes.tyc.edu.tw, yblearnsmart.com, www.sg588.tw, Disposable vapes

2025 Latest BraindumpsPass API-571 PDF Dumps and API-571 Exam Engine Free Share: https://drive.google.com/open?id=1MmiP1e-2MA8s8z6bMP72tni_KRN4Ksm0