



Free Questions for *API-571* by *certscare*

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Question 1

Question Type: MultipleChoice

It is generally accepted that stresses approaching _____ are required for SCC to occur so that thermal stress relief is effective in preventing caustic SCC.

Options:

A- MAWP

B- Yield

C- Creep range

D- Critical

Answer:

B

Question 2

Question Type: MultipleChoice

SCC tendency _____ towards the alkaline pH region

Options:

- A- Decreases
- B- Increases
- C- Remains constant
- D- Varies

Answer:

A

Question 3

Question Type: MultipleChoice

The dewpoint of hydrochloric acid depends on the concentration of hydrogen chloride. It is typically about _____.

Options:

A- 180 F

B- 160 F

C- 130 F

D- 110 F

Answer:

C

Question 4

Question Type: MultipleChoice

Stress relief and stabilization heat treatment of 300 Series SS for maximizing chloride SCC and PASCC resistance can cause _____ problems, especially in thicker sections.

Options:

A- Thermal fatigue

B- Reheat cracking

C- Hydrogen

D- HIC

Answer:

B

Question 5

Question Type: MultipleChoice

Dissimilar weld metal cracking can be aggravated by _____.

Options:

A- Stress

B- Pressure

C- Thermal cycling

D- Cyclic stresses

Answer:

C

Question 6

Question Type: MultipleChoice

Cracking susceptibility increases with _____ pH and carbonate concentration.

Options:

A- Increasing

B- Decreasing

C- Low

D- High

Answer:

A

Question 7

Question Type: MultipleChoice

Blistering, HIC, SOHIC and SSC damage can occur wherever there is a _____ environment.

Options:

- A- Wet HS
- B- Hydrogen
- C- Sulfur
- D- Aqueous

Answer:

A

Question 8

Question Type: MultipleChoice

SOHIC is driven by localized stresses so that _____ is somewhat effective in preventing SOHIC damage.

Options:

A- PWHT

B- Preheat

C- Temperature

D- None of the above

Answer:

A

Question 9

Question Type: MultipleChoice

SSC generally occurs below about _____.

Options:

A- 225 F

B- 200 F

C- 180 F

D- 150 F

Answer:

C

Question 10

Question Type: MultipleChoice

Blistering, HIC and SOHIC have been found to occur between ambient and _____.

Options:

A- 250 F

B- 300 F

C- 350 F

D- 400 F

Answer:

B

Question 11

Question Type: MultipleChoice

With sulfuric acid corrosion, carbon steel corrosion rates increases significantly if the flow velocity exceeds about _____m fps or at acid concentrations below _____.

Options:

A- 6-9, 80%

B- 5-7, 75%

C- 2-3, 65%

D- 4-6, 85%

Answer:

C

Question 12

Question Type: MultipleChoice

With sour water corrosion, at a given pressure, the HS concentration in the sour water _____ as temperatures _____.

Options:

- A- Increases, increases
- B- Decreases, decreases
- C- Increases, decreases
- D- Decreases, increases

Answer:

D

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