



**SAMPLE TEST QUESTIONS BOILER MAKER - ITA WEBSITE**

1. How many baffles are to be installed at a chord distance of 6 ft. (1.8 m.) on a 40-in. diameter tank?

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

- A. 20
- B. 21
- C. 22
- D. 23

2. What is the working load limit (WLL) of 1/2 in. improved plain steel wire rope?

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

- A. 1.0 tons
- B. 1.5 tons
- C. 2.0 tons
- D. 3.0 tons

3. What length of plate 16 mm thick is required to form a cylinder with an OD of 2,438 mm?

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

- A. 1 580 mm
- B. 1 637 mm
- C. 1 627 mm
- D. 1 637 mm

4. What is the mean diameter of a cylinder that is to be rolled to an OD of 74 in., if the material thickness is 3/4 in.?

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

- A. 72 1/2 in.
- B. 73 1/4 in.
- C. 74 in.
- D. 74 3/4 in.

# Ita Boilermaker Test

**CH Cherryholmes**

A red circular graphic with a gradient, appearing as a stylized arrow or a partial circle, located to the right of the CH Cherryholmes text.

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oxidation  $\text{Co} \rightarrow \text{Co}^{2+} + 2\text{e}^-$  reduction  $\text{Fe}^{2+} + 2\text{e}^- \rightarrow \text{Fe}$  24 3  $\text{Ag} \rightarrow \text{Ag}^{+} + \text{e}^-$  3  $\text{Ag}^{+} + \text{e}^- \rightarrow \text{Ag}$  oxidation reduction 25  $\text{Cu} \rightarrow \text{Cu}^{2+} + 2\text{e}^-$   $\text{Pb}^{2+} + 2\text{e}^- \rightarrow \text{Pb}$  oxidation reduction 26  $\text{O} \rightarrow \text{O}_2 + 4\text{e}^-$

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