Boiler Water Treatment Principles and Practice: Charts and Notes for Field Use

By Colin Frayne

Chemical Publishing Company. Paperback. Book Condition: New. Paperback. 66 pages. Dimensions: 8.4in. x 5.3in. x 0.4in.Table of Contents: About the Author - Saturated steam temperatures at various boiler pressures - Boiler Energy and Power Units - Typical gross heating values of common fuels (based on approximately 80 fuel to steam efficiency) - Typical energy consumption and output ratings for a fire tube boiler - Steam tables suitable for pressure deaerators - Calculating Blowdown - Coefficients of thermal conductivity for some heat-exchanger metals and boiler deposits - Types of water or steam commonly employed in most HW heating and steam generating plants - Commonly occurring minerals in natural MU water sources - Specific waterside steamside problems affecting MPHW and HPHW boiler plants - Salt concentration indicators - Summary of waterside steamside problems affecting LPHW and LP steam heating boiler plants - FW contamination from MU water - FW contamination from returned condensate - Problems associated with the final FW blend - Deposition of boiler section waterside surfaces by alkaline earth metal salts, other inorganic salts and organics - Silica and silicate crystalline scales and deposits affecting boiler section waterside surfaces - Iron oxide and other boiler section corrosion debris deposits -...

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