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Steam Surface Condenser: Basic Principles, Performance Monitoring and Maintenance (Hardback)

By Richard E. Putman

American Society of Mechanical Engineers, U.S., United States, 2002. Hardback. Book Condition: New. 234 x 157 mm. Language: English . Brand New Book. This volume is a comprehensive presentation of analytical theory and real-world practical solutions. It clearly illustrates updated approaches that plant managers and performance engineers can use in judging condenser performance and in making maintenance decisions. The author examines current methods for modeling, diagnosing and improving condenser performance. He describes how to calculate heat transfer coefficients, provides details of the new ASME Power Test Code PTC 12.2-1998, and explains the significance of heat transfer coefficients in measuring the overall performance of an operating condenser. Further discussion includes condenser cleaning schedules that save money and reduce CO₂ emissions, diagnostic methods that help unit operators pinpoint problem areas, monitoring techniques that help predict the onset of tube fouling and deposit accumulation, and proper methods of tube plugging. New topic areas are also explored: assigning a dollar amount and excess carbon emissions to condenser fouling; methods for estimating cooling water flow rate; and performance analysis for multicompartiment condensers. Contents Include: Basic Principles Condenser Performance Monitoring Condenser Performance Modeling Model of Turbine Low Pressure Stage and Estimation of Condenser Duty Interactive Model of...



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Reviews

This pdf is very gripping and fascinating. We have read and that i am certain that i am going to going to read once more again in the future. Once you begin to read the book, it is extremely difficult to leave it before concluding.

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A superior quality book along with the font employed was exciting to see. It is one of the most amazing book i have got read through. You wont really feel monotony at anytime of the time (that's what catalogs are for about in the event you ask me).

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