

Comparative Evaluation of Test Operation of 340MW CFB Boiler of Yeosu Power Plant

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340MWe circulating fluidized bed (CFB) boiler has been conducted a test operation. The circulating fluidized bed boiler has a number of differences from other domestic boilers in terms of scale and design. Evaluation of design and operation parameters of the Yeosu CFB boiler should be required because the direct application of existing technology is limited.

In this study, design characteristics of the CFB boiler were summarized. And test operation data was compared with design data. The comparison showed that the boiler operates acceptable performance in fuel flexibility, facility availability and reliability. Design parameters and operation data for the CFB boiler were discussed along with typical value in the CFB design range.