

Vessel Tank로 유입되는 폐열회수 처리에 관한 연구

구재량[†] · 박광하* · 조철환*(전력연구원)

Study on heat recovery inflow in Vessel Tank

Koo, Jae Rayang, Park, Kwang Ha, Cho, Cheul Whan

Key Words: Heat Recovery(폐열회수), Vessel Tank(베셀탱크), Heat Exchanger(열교환기)

Abstract : When a Combined cycle power plant was started, Steam turbine wasted pure water too much during prewarming of turbine. Wasted pure water gathered in vessel tank and evaporated immediately, then emitted atmosphere. We investigated method to recover the heat in vessel tank. We installed a heat exchanger in vessel tank. In this study, the designing and manufacturing procedures of the heat exchanger was presented. Also, the performance results was showed briefly.

풍력 발전 시스템 개발 동향

오시덕[†] · 이현주*((주)효성)

Technical Trend of Wind Turbine Development

Si-doek Oh, Won-Ho Choi, Hyun-Joo Lee

Key Words: Wind turbine(풍력 터빈), Technical Trend(기술 개발 동향)

Abstract : According to recent price boom of oil, interesting of renewable energy reach the climax. Especially wind energy is considered as the best solution for energy crisis because it's low cost of energy and abundant amount. In this paper, It is stated that wind turbine industrial and technical trend around world, and also domestic condition and trend is described including present developing state.