

Abstract

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Static and Effectiveness Performance Characteristics of Open Fixed Pitch DP/DT Thrusters

Existing available systematic propeller tests provide useful data base to help the designer understand the factors which influence propeller performance under various operating conditions. They also provide design diagrams, and/or charts, which will assist in Selecting the most appropriate dimensions of actual propellers to a particular ship applications. Some information pertaining to stationary operation is not explicitly given by these tests. Typical examples of stationary low speed applications includes tug boats, fishing vessels, dynamic/ tracking and heavy lift vessels. This work emphasizes the importance of parameters necessary required to assess the performance of thrusters in the stationary low speed mode using available systematic thruster tests.