

Advance Speed and Course Keeping for Container Ships

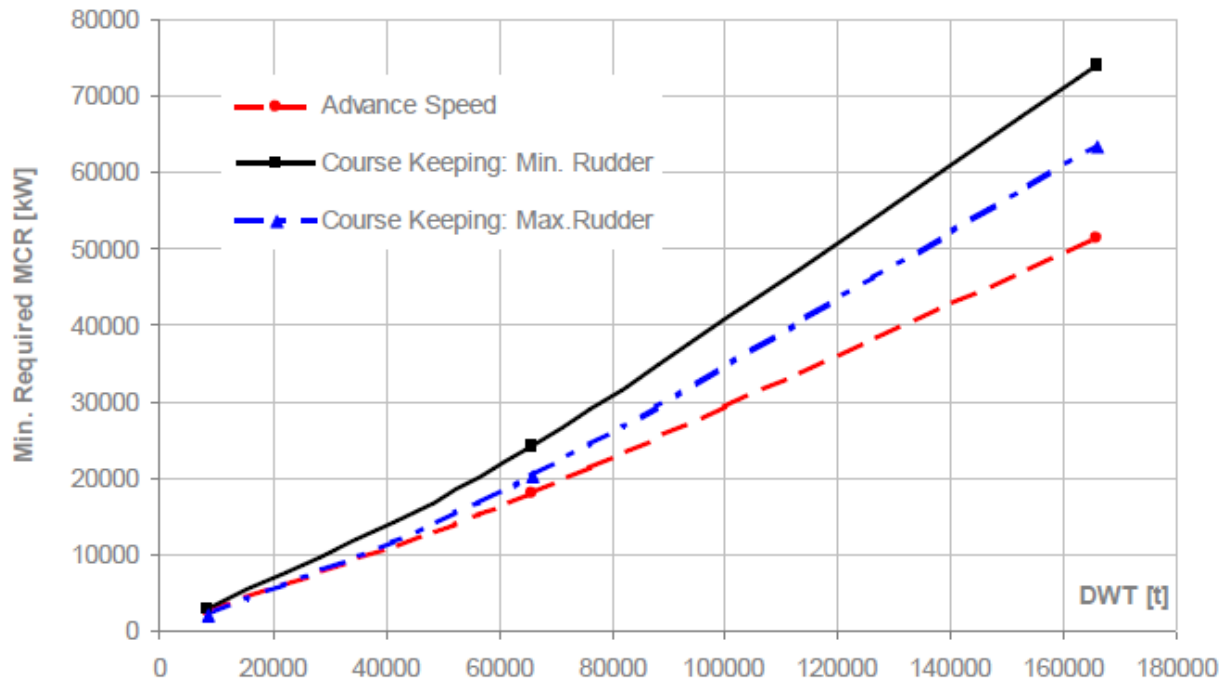


Figure 9. Minimum required MCR vs. deadweight to ensure (a) advance speed of 4.0 knots and (b) course-keeping with minimum and maximum rudder area for containerships in waves with significant wave height of 6.0 m

Advance Speed and Course Keeping for Bulk Carriers and Tankers with Maximum Windage Area

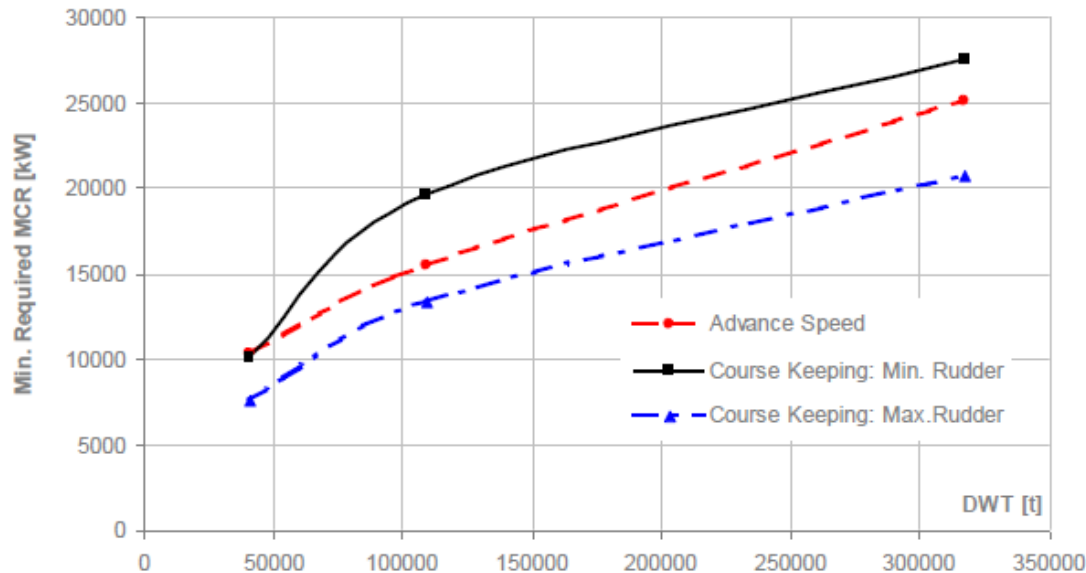


Figure 11. Minimum required MCR vs. deadweight to ensure (a) advance speed of 4.0 knots and (b) course-keeping with minimum and maximum rudder area for bulk carriers and tankers with the maximum windage area in waves with significant wave height of 6.0 m