

# International port cost comparison project

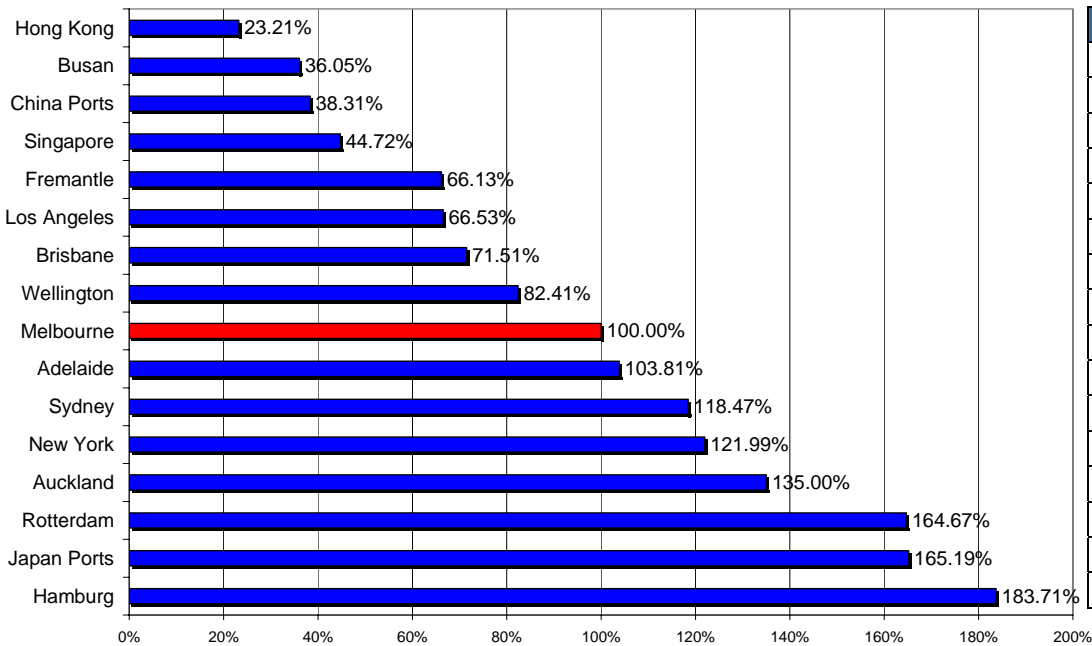
We have sought to compare costs in Australia's main container ports paid by the shipowner with a number of major international ports this year using publicly available tariffs. 22 ports in total were included and the costs included pilotage, towage and linesman costs including wharfage on full and empty containers but excluded charges such as stevedoring and miscellaneous utility charges. The public tariffs in the Japanese and Chinese ports surveyed were very similar so for the purposes of the comparison they have been grouped together. The Japanese ports were Yokohama, Osaka and Nagoya and the Chinese ports were Tianjin, Shenzhen, Guangzhou, Shanghai and Ningbo. Exchange rates were those applicable as at 9 August, 2010.

A hypothetical sized vessel was used but one considered reasonably typical in the Australian trades. The average ship had a TEU capacity of 4500 and a GRT of 40,700 tonnes, being

258 metres LOA with an import exchange of 1000 TEUs, 500 TEUs export and 200 TEUs export of empty. Whilst it was understood that a vessel of this particular size and specification may not call at all of these ports, it was still useful for a direct comparison. Some ports such as New York do have a public tariff (which we have used in this exercise) but it is rarely used with the actual tariff being based on the frequency of calls and TEU volumes through the port per individual shipping line or connection. Nevertheless we believe this project to be a useful exercise and we have tried to compare "apples with apples".

Details of the exchange rates used, more details regarding the average vessel and details of the individual cost categories used can be viewed on the Shipping Australia website, [www.shippingaustralia.com.au](http://www.shippingaustralia.com.au).

Port Price Index Mebourne = 100%



Port	Total In AUD
Hong Kong	\$7,042.48
Busan	\$10,936.48
China Ports	\$11,621.69
Singapore	\$13,566.93
Fremantle	\$20,061.88
Los Angeles	\$20,181.10
Brisbane	\$21,692.76
Wellington	\$24,998.38
Melbourne	\$30,335.63
Adelaide	\$31,491.93
Sydney	\$35,938.63
New York	\$37,007.10
Auckland	\$40,954.01
Rotterdam	\$49,953.98
Japan Ports	\$50,111.75
Hamburg	\$55,728.62