Clarksons Platou Securities AS

Scrubber Update

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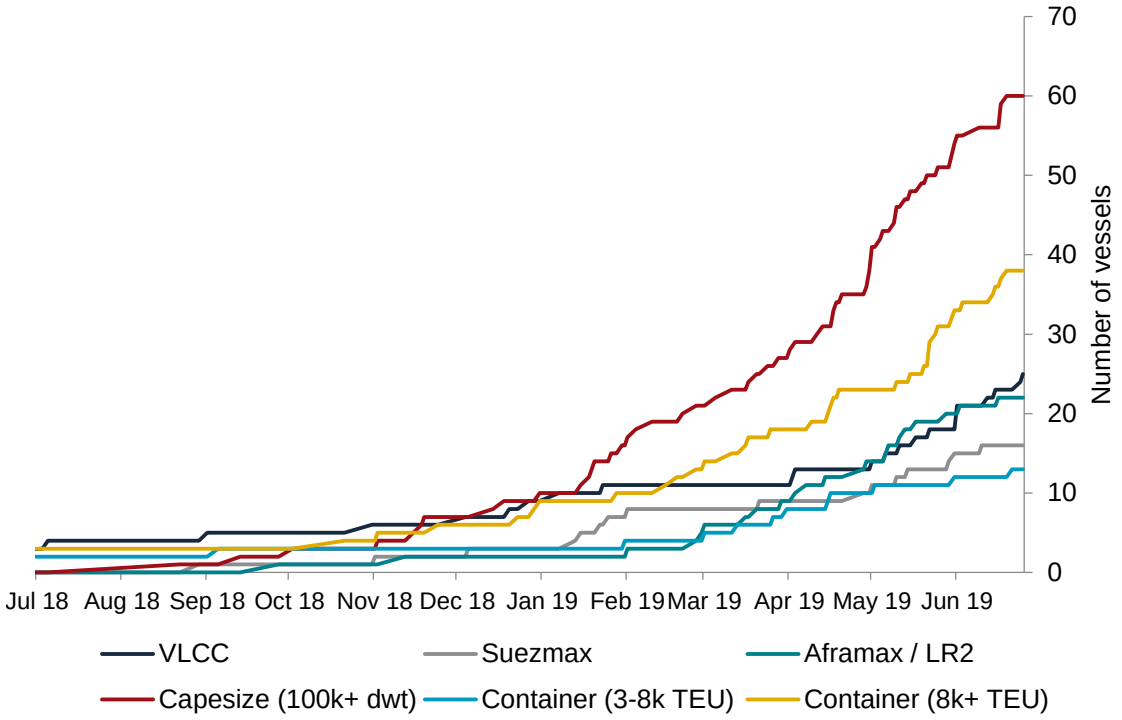
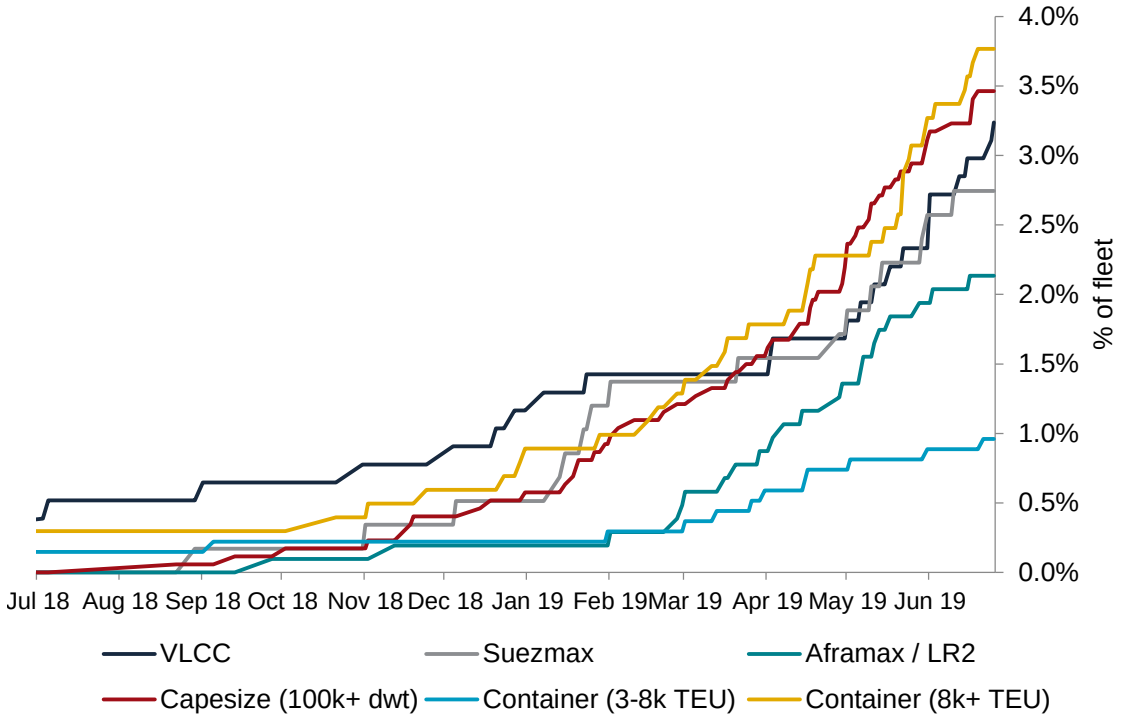
Scrubber retrofits as of June 25, 2019

Already retrofitted scrubbers per major ship class

Installed retrofits no. of ships



Installed retrofits as % of respective fleet



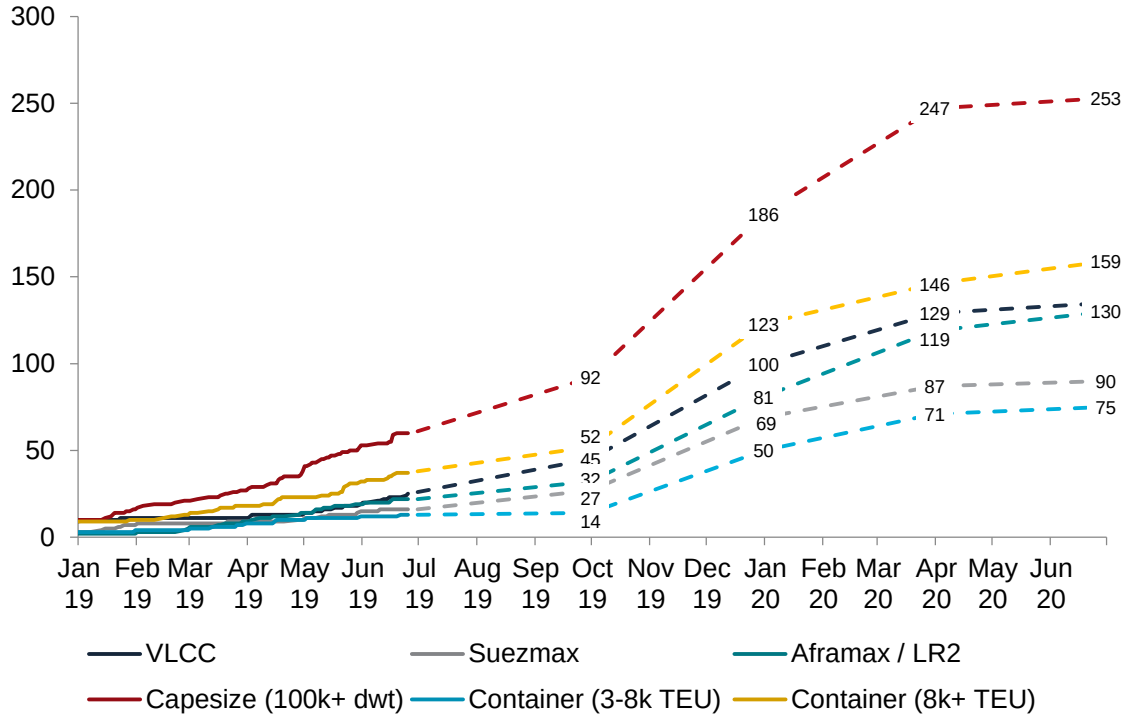
Acceleration of ships being “out of service” positively impacted fleet utilization during June

Source: Clarksons Research, Clarksons Platou Securities AS

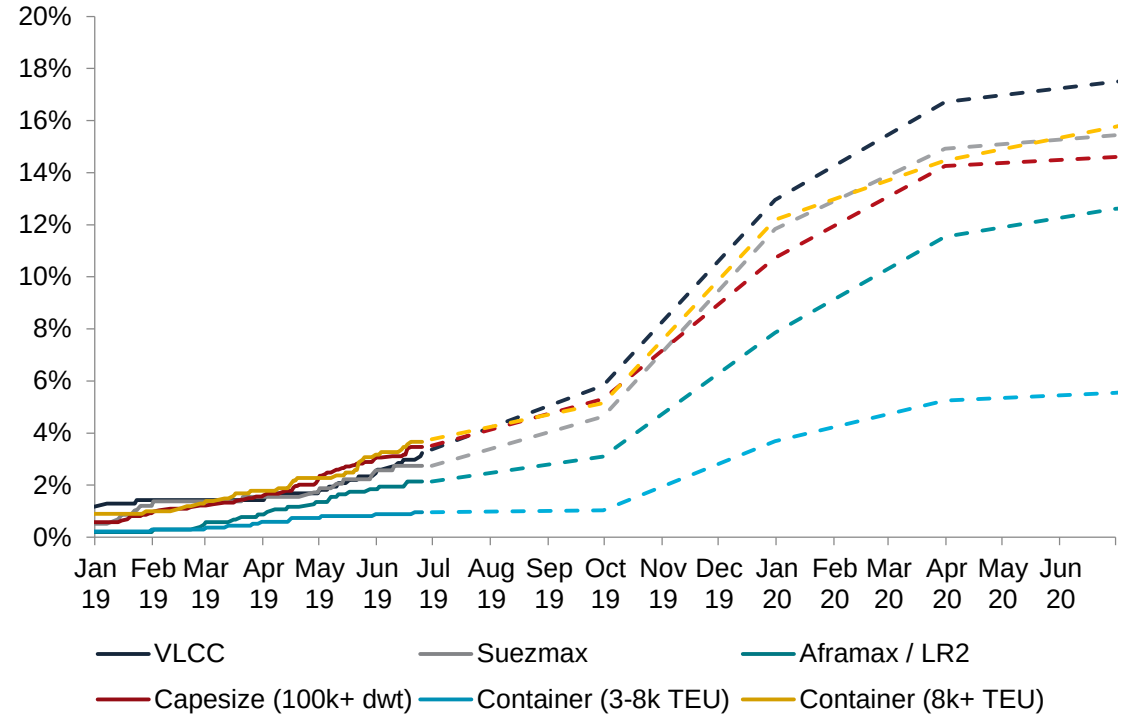
Future scrubber retrofits

Announced scrubber retrofits as of June 25, 2019

Retrofits no. of ships



Retrofits as % of fleet



On average 1.6% of VLCCs, 1.2% of Capesize and 1.4% of containerships (>8,000 teu) will be out of service in 2H19

Source: Clarksons Research, Clarksons Platou Securities AS

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