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Introduction to Cement Carriers

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Howe Robinson Shipbrokers

New Cement Carrier

M/V Antigua built 2012



Carry 3 commodities - Cement, Fly Ash, GGBS

- Of the 3.7 billion tonnes of cement annually produced, only about 150/160 million tonnes is exported, in either cement or clinker form, of which we estimate only around 25 million tonnes moved on cement carriers.
- About another 50/60 million metric tonnes of cement moves by cement carrier per annum on domestic trades i.e. Coastal Japan, Indonesia, Greece, Korea, India, Philippines etc. so not figuring in the international trade data
- Fly ash and granulated slag are small but growing markets for these ships.

- Loads by gravity or by pressure from silo
- Self discharge by own compressors and pumps by flexible hose to silo
- No weather delays
- Able load WC India during the monsoon!
- No stevedoring / labour costs





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Mechanical – to silo trucks



Cement carrier discharges from holds, via its own bulk boom direct to a cement silo truck or hopper. Ideal for moving bulk direct to readymix.



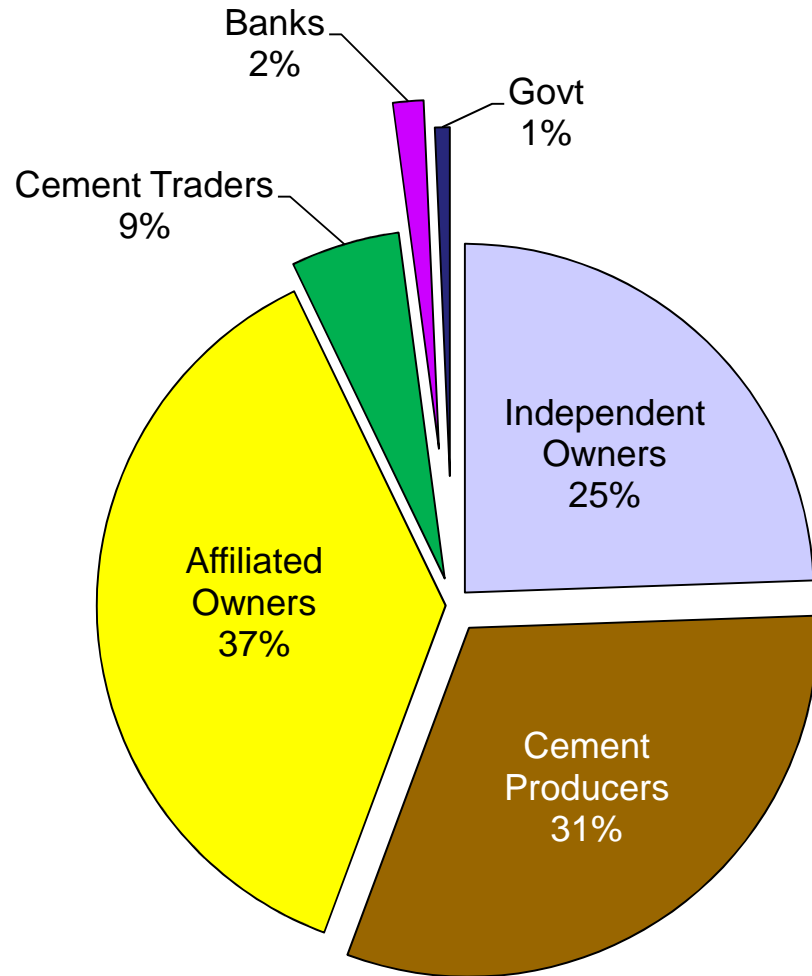
There are 10 such bulk carriers, from 4,000 to 41,000 dwt. Pictured is the smallest and youngest one, 'Malta Cement'. They have conventional hatches, but are able to self-discharge with closed hatch covers via specialist equipment. Trading Baltic, Med and PG. They can carry other bulk cargoes.

- The total fleet of cement carriers (mechanical & pneumatic combined) > 2,000 dwt excl. Great Lakes traders is around **300 vessels**
- Average age – 24 years old
- Average age when demolished – 33 years old
- Average deadweight – 8,200 dwt (the largest is 28,500 dwt)
- We estimate an current utilisation rate of c.95%



Cement Carrier Ownership

By Company Type – on Total Dwt of Vessels



Roughly 19% of the dwt owned by Cement Producers is owned by the Big 4 International Cement Companies (Lafarge, Holcim, Heidelberg, Cemex)

- Japanese Coastal 76
- Indonesian Coastal 49
- Korean Coastal 34 (incl. 14 on Korea/Japan)
- Indian Ocean 28
- Vietnam Coastal 6
- Other Far East Trades 27
- Australia/NZ 5
- Americas (excl Lakes) 17
- North Cont/Baltic 26
- Med i/c Canaries/W.Africa 32



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Thank You

Howe Robinson Cement Carrier Team