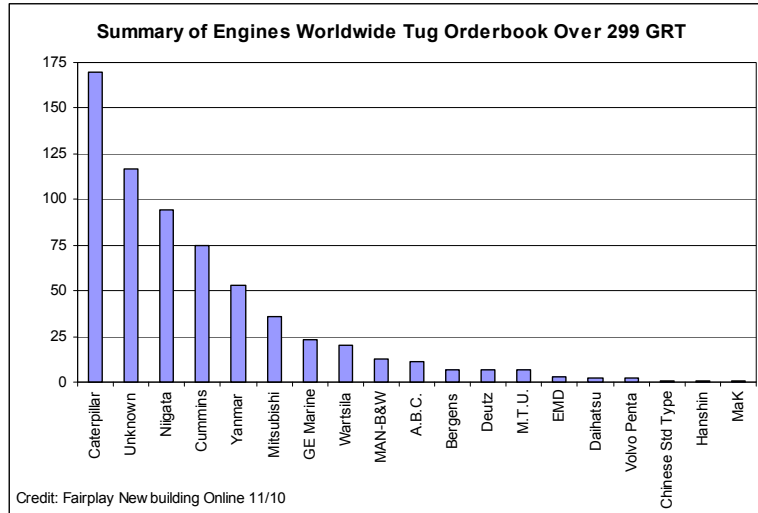


Marcon International, Inc.

Tug Boat Market Report – November 2010

CAT power still leads propulsion in new sea-going tugs with engines in 170 tugs. This is followed by Niigata diesels in 94, Cummins in 75, Yanmar 53, Mitsubishi 36, General Electric 23, Wartsila 20, MAN / MAN-B&W 13, ABC 11, 7 each Bergens, Deutz and MTU, EMD 3, 2 each Daihatsu and Volvo Penta, and 1 each Chinese Standard Type, Hanshin and MaK. Engines were not listed for 117 tugs. Only 46 tugs below 1,000BHP are shown as under construction because many tugs of this horsepower are under 299GRT.



Summary of Horsepower – Fairplay Worldwide Tug Orderbook Over 299GRT

	Under 1,000HP	1,000 – 1,999HP	2,000- 2,999HP	3,000- 3,999HP	4,000- 4,999HP	5,000- 5,999HP	6,000- 6,999HP	7,000- 7,999HP	8,000- 8,999HP	9,000- 9,999HP	Over 10,000HP	Unk.	Total
Tugs	46	109	100	169	64	45	5	3	9	2	5	86	643

On Saturday 30th October, **Kotug** performed the Christening ceremony on two of the latest Rotor Tug's "*RT Adriaan*" and "*RT Eduard*" in Rotterdam. These tugs have a length of 32m, width of 12m, three Schottel propulsion units with total 7,200BHP and a bollard pull of 85 tons. "*RT Adriaan*" and "*RT Eduard*" are the third & fourth tugs of a series of six sisters, all built at **Niigata Shipbuilders**, Japan, part of Kotug's fleet extension and renewal program. "*RT Adriaan*" and "*RT Eduard*" left Niigata shipyard in March. Thanks to the crew of **Redwise**, "*RT Adriaan*" sailed under its own power to Rotterdam arriving in June. The day after



arrival in the port of Rotterdam, "*RT Adriaan*" was fit to do her first tow. Kotug's president Ard-Jan Kooren emphasized that despite the present shipping market, also affecting the tug business, Kotug continues to invest in a modern and strong tug-fleet to keep the high quality of their service. "*RT Eduard*", chartered out to **Rio Tinto**, sailed to Cape Lambert in Australia, where she arrived in April. Rio Tinto is one of the world's leading mining and exploration companies. Cape Lambert is situated at open sea and mainly in winter period this causes rather long and high waves. Sponsor Rietje Kooren christened "*RT Adriaan*" in the name of her husband, Aad

(Adrianus) Kooren, who sadly passed away in 1992. Aad was Director Operations of Kotug in Rotterdam. Sponsor Tine Kooren christened "*RT Eduard*", in the name of her husband, Eduard Kooren, who sadly passed away in 2007. Eduard was responsible for Operations & Projects of Kotug in Rotterdam. Because of the distance between Rotterdam and Australia, christening of "*RT Eduard*", took place by "*virtual*" ceremony. Aad and Eduard Kooren were brothers of Ton Kooren, who was - after his retirement in 2002 - appointed Supervisory Board member of Kotug.

