

Daihatsu Diesel Mfg. entered into an exclusive distributor agreement  
in Japan with BELCO

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Daihatsu Diesel Mfg.Co.

The SOx emission controls according to the International Maritime Organization (IMO) are effective in 2015 regulating that vessels operating inside Emission Control Areas (ECA) must use fuel oil that does not exceed 0.1% of sulfur content.

The SOx emission control will also become stricter in the global waters from 2020 onwards so that the vessels operating there must use fuel oil the sulfur content of which does not exceed 0.5%. This control will apply to the existing vessels as well.

Use of fuel oil with less sulfur content in general may comply with the SOx emission controls. This, however, would cause low sulfur fuel oil prices to hike, that could in turn lead to supply concerns.

Now, a SOx scrubber that removes SOx from the exhaust is an effective solution to meeting this more strict SOx controls while the vessel can operate from fuel oil with a conventional sulfur content.

Our company has concluded the exclusive dealership agreement in Japan with BELCO (Head office: New Jersey, USA), a wholly owned subsidiary of DuPont (Head office: Delaware, USA), makers of the DuPont™ Marine Scrubber. DuPont specializes in manufacturing exhaust gas purification equipment on land and at sea.

The BELCO has more than 300 unit delivery record of their scrubber system for land use (Refineries, Power & Incinerator). Also BELCO carried out the on-board ship test and verified to be 100% in compliance with the exhaust gas and water discharge standards specified in MARPOL Annex VI, the scrubbers are certified by the Classification Society of American Bureau of Shipping (ABS).

DuPont offers a flexible design that can have a single inlet or a multi-inlet. The multiple inlet scrubber type allows one unit alone to process the exhaust gases from a main engine, auxiliary engine and boiler.

The DuPont™ Marine Scrubber is offered in three systems. The open loop system uses seawater on a once-through basis. The closed loop system recirculates freshwater in the vessel and requires caustic. The hybrid system can switch from open loop to closed loop, making it the most flexible option.

DuPont (NYSE: DD) has been bringing world-class science and engineering to the global market place in the form of innovative products, materials, and services since 1802. The company believes that by collaborating with customers, governments, NGOs, and thought leaders we can help find solutions to such global challenges as providing enough healthy food for

people everywhere, decreasing dependence on fossil fuels, and protecting life and the environment. For additional information about DuPont and its commitment to inclusive innovation, please visit [www.dupont.com](http://www.dupont.com).

Counter in charge

Daihatsu Diesel Mfg.co.,Ltd. General Management Department

Takashi Mizushina

Tel: 06-6454-2331 Fax: 06-6454-2750 Email: [takashi.mizushina@dhtd.co.jp](mailto:takashi.mizushina@dhtd.co.jp)