

For Immediate Release

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Severn Trent De Nora's BALPURE® Ballast Water Treatment System Successfully Completes Corrosion Testing Program

Third-party testing of BALPURE electrolytic disinfection ballast water treatment system satisfies corrosion test recommendations of IMO MEPC 59/2/16

FORT WASHINGTON, Pa. – 9 March 2011 – The [BALPURE® ballast water treatment system](#) from Severn Trent De Nora satisfies corrosion test recommendations of the IMO MEPC 59/2/16. The corrosion testing, performed by an independent third-party institute, proved the BALPURE system has no effect on coated steel, naval bronze and Cu-Ni alloys. Testing proved an insignificant effect on bare steel – so small that the acceleration of corrosion due to the presence of free chlorine has minimal practical implications in ballast tanks. Therefore, the BALPURE ballast water treatment system will not impact the life expectancy of a ship.

The corrosion testing program, undertaken by GL Noble Denton, included accelerated studies for the BALPURE ballast water treatment system in untreated and full-salinity, treated, seawater up to 8 mg/liter (ppm) total residual chlorine. Comparative studies were made using uncoated steel test specimens and coated test specimens. All specimens met IMO Resolution MSC.215(82)-compliant ballast tank coatings requirements.

Effective corrosion control in ballast water tanks is one of the most important features in determining a ship's lifespan. When evaluating a ballast water treatment system, ship builders and owners must know the effect the system will have on the overall vessel to eliminate impact to the corrosion-protecting coatings in the ballast tanks. Third-party corrosion testing against the IMO MEPC 59/2/16 recommendations is a must for every viable ballast water treatment system.

As the market leader in the design and manufacture of electrolytic seawater disinfection systems, Severn Trent De Nora has applied its 35-plus years of marine equipment experience to the treatment of ballast water with the BALPURE system.

The patented (U.S. Pat. No. 7,244,348) BALPURE system is a proven, effective and economical electrolytic disinfection solution to treat ballast water. Environmentally safe and easy to maintain, the self-cleaning BALPURE system offers an operating cost of less than EUR 0.022 (USD 0.031) per m³ of ballast water treated. Designed with easy-to-separate subassemblies, BALPURE eliminates the requirement for design changes to a vessel's engine room. Ideal for high-capacity applications, the BALPURE system can offer energy savings of up to 60 percent compared to competitive technologies.



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About Severn Trent De Nora, LLC

Severn Trent De Nora, LLC (www.severntrentdenora.com) is a joint venture offering a solid foundation to support marine and offshore industrial water disinfection needs by drawing upon the strength and global resources of Severn Trent Services, Fort Washington, Pa. (www.severntrentservices.com), and Gruppo De Nora, Milan, Italy (www.denora.it). Severn Trent De Nora offers the benefits of enhanced technical solutions and a greater range of services by combining the seawater disinfection capabilities of both companies. Severn Trent De Nora offers products to serve marine wastewater treatment applications and the seawater disinfection needs for the following applications: power generation, desalination facilities, coastal industry, offshore oil and gas facilities, general marine, cruise vessel industry and navies worldwide.

About GL Noble Denton

GL Noble Denton is the world's leading independent provider of technical services and software to the oil and gas industry. The company works with some of the sector's best known corporations to provide a wide range of services across the lifecycle of their assets.

GL Noble Denton's expertise spans upstream operations, such as on- and offshore exploration, production and delivery storage; midstream import, storage and processing; and downstream distribution. With over 3,500 employees and a presence in more than 80 countries, GL Noble Denton plays a key role in helping to plan, design and develop, operate and optimise, and assure some of the industry's most innovative solutions.

For more information, please visit: www.gl-nobledenton.com

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