

## PRESS RELEASE

### **DNV GL, Gard and The Swedish Club work together to help reduce anchor losses**

**Oslo, 8 March 2016. The root cause of many groundings and collisions is lost anchors which are also among the top five reasons for claims costs overall. A rising number of anchor losses reported over the last several years prompted DNV GL, Gard and The Swedish Club to investigate this issue. Based on an analysis of damage cases involving anchor and anchor chain losses, the project partners have issued a presentation identifying the most frequent technical and operational causes, and some steps crews and operators can take to address them.**

“One of the key takeaways of our investigation is the importance of the officers and crew being aware of the environmental loads their equipment is designed for,” says Håkon Skaret, Senior Principal Engineer at DNV GL. “If these limits are not taken account of in shipboard anchoring procedures, there can be significant damage to the vessel – even beyond the loss of anchor and chain. Many anchor losses are avoidable, if the proper maintenance and handling procedures are adhered to.”

Examining the losses in terms of technical or operational failures revealed some key issues. On the technical side, the D-shackle is the technical component with the highest loss causing failure rate. As such it should be inspected whenever possible, with special attention paid to the taper pin. Securing the anchor tightly in the hawse pipe during voyage can help to avoid excessive vibrations which can cause the pin to come loose. The windlass brake is essential to control the pay-out of the chain, and many anchor losses are reported due to loss of brake power and uncontrolled release of the chain. Corrosion of the drum and wear of the brake band lining reduces brake capacity and it is therefore essential that the tension of the brakes is adjusted and liners replaced in accordance with the manufacturer’s instructions.

“Operationally, every anchoring operation is unique,” says Håkon Skaret. “In practice, the crew and officers need to be aware of the risks and assess them thoroughly, especially in heavy weather. In almost half of the cases we saw that environmental risk factors, such as the weather, strength of the currents and water depth, played a significant role in the loss. To help shipboard personnel in this respect, shipping companies can make sure that procedures for safe anchoring operations are implemented in their safety management systems.”

Anchor and chain loss can often lead to collisions and grounding, which can result in additional damage to a vessel. Adding to the costs of anchor loss is the increasingly common requirement from port authorities that lost anchors are recovered.

More information, including an “Anchor awareness” video, can be found at [www.dnvgl.com/anchorloss](http://www.dnvgl.com/anchorloss).

#### **About DNV GL**

Driven by its purpose of safeguarding life, property and the environment, DNV GL enables organizations to advance the safety and sustainability of their business. Operating in more than 100 countries, the company’s 15,000 professionals are dedicated to helping their customers in the maritime, oil & gas, energy and other industries to make the world safer, smarter and greener. For more information visit [www.dnvgl.com/maritime](http://www.dnvgl.com/maritime)

**About The Swedish Club**

The Swedish Club was founded in 1872 and is today a leading mutual insurance company, owned and controlled by its members. The Club writes Protection & Indemnity (P&I), Freight Demurrage & Defence (FD&D), Hull & Machinery (H&M), and Hull Interests, Loss of Hire, War Risks and any additional insurance required by shipowners or charterers. The head office is located in Gothenburg, Sweden, and branch offices are located in Piraeus, Hong Kong, Tokyo, Oslo and London. For more information visit [www.swedishclub.com](http://www.swedishclub.com)

**About Gard**

Gard is a shipowner-controlled provider of P&I, marine and energy insurance products, with gross written premium of USD 990 million, with over 450 staff in 13 offices around the world.

The direct insurance entities within the Gard group, Gard P. & I. (Bermuda) Ltd, Assuranceforeningen Gard, Gard Marine & Energy Limited and Gard Marine & Energy Insurance (Europe) AS, are rated A+ by Standard & Poor's. For more information visit [www.gard.no](http://www.gard.no)

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