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**Requested by** RG Systems  
Industrial Area Villalonquéjar Number 6  
Merindad de Montija Street, Burgos, SPAIN

**Order** 24 September 2007 / Raul Melgosa

**Handled by** VTT Technical Research Centre of Finland  
P.O.Box 1000, FI-02044 VTT, Finland  
Contact person: Peter Grönberg

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**Task** **Evaluating the extinguishing effectiveness of the RG Systems fire protection system for local applications in machinery spaces according to IMO MSC/Circ.913**

**Date of test** 25 - 26 October, 2007

**The product tested** RG Systems water mist fire protection system, RG Systems EMM-540856 nozzles

**Test method** IMO MSC/Circ.913 Guidelines for the approval of fixed water-based local application fire-fighting systems for use in category A machinery spaces.

**Test site** VTT large fire test hall

**Summary** This report describes 13 fire extinguishing tests that were conducted in accordance with the test procedures of the IMO MSC/Circ.913 on the guidelines for approval of fixed water-based local application fire-fighting systems. The tested nozzle type was RG Systems EMM-540856.

The nozzle EMM-540856 was tested for protection of hazards between 2 m and 7 m from the nozzle grid, with 4.7 m nozzle spacing and a minimum pressure of 100 bar at the nozzles.

All the tests were witnessed by Håkon Laskemoen representing Det Norske Veritas (DNV).

Espoo, 11 November 2008



Kimmo Kaukanen  
Team Leader



Peter Grönberg  
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