5740 Water Mist Fire Extinguishing System

# NB518:

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| Question | Answers |
| Are you satisfied with the technical output and choises of the system? | * Design: Generally yes.  - For ease of commissioning, a set of test valves (isolating and test valves) should be added for the machinery section valves.  - At the location of system main valves, floor drainage should be considered in future projects.  - Also treatment of the water storage tanks should be considered in future projects by adding a treatment pump circulating water from the tanks. |
| Rules requirements : Easy/hard? Everything fulfilled? Issues with class worth mentioning? | * Design: No issues in this project. |
| Material (purchase, logistics, budget) : Your experience and feedback? | * Design: System final costs are above budget due to an erratic material consumption in all 3 vessels. The budget is mainly exceeded due to the need of creating a material buffer. Eventually, the material usage has been more realistic in NB518 versus 516/517. |
| Drawings (schedule, comments received, changes..) : Lessons learned? | * Design: Some changes came in relatively late stage from the ceiling design in public spaces (Savi). |
| Communication (internal and external), Co-operation with different parties (In own team, other design teams, subcontractors, production, suppliers, TK.. ) | * Design: Communication with Savi public team has been difficult. Comments sent on their detail design seemed ineffective.  Material handling has been a lot better in this project than in 516/517. I used some time reviewing the part list of each area and sent comments to persons in charge of detail design. The similarities with 516/517 helped also. |
| Comparison to NB516-517 - did we learn? | * Design: Some efforts have been paid to make the system ready on time for commissioning (main line readiness, machinery spaces) with a good result. Despite changes in the yard commissioning team, we used less time from Marioff commissioning engineer (excluding the work on transfer voyage). It is difficult to get a large system covering the whole ship ready. It is also important to keep track on the system as a whole, not only piping construction. The system finalization is also totally dependent on the electric connections. |
| Other comments? | * Design: The system covered systems 5720 and 5740. |