

Preface

When the required vessel power profile has been evaluated and determined, both with regard to propulsion load and electrical load, the next step is to design the engine room configuration so that it will also be optimal with regard to installation, operation and maintenance. MAN B&W Holeby has not only looked at this as an isolated case for the L16/24 type auxiliary engines but, as described in the following, has also looked at it in relation to the MAN B&W two-stroke main engine on board.

The goal is to make the layout of the engine room and the operation and maintenance work in service as simple and effective as possible without jeopardizing the safety on board. A further aspect has been compliance with emission regulations.

The unifuel system is the proof of this where the fuel oil, cooling water and starting air systems are an integrated entity, minimizing the use of components and space, lowering the first cost, and providing simpler operation and maintenance.

In projects where both an MAN B&W main engine and MAN B&W auxiliary engines are ordered, possibly even from the same supplier, the buyer will have fewer contact people, common delivery and stand stronger in the negotiations of the price and extent of delivery. Even if the engines are ordered from different suppliers, there are still all the advantages mentioned in the following chapters of this paper, and the possibility of having the best economical choice of main and auxiliary engines, including the optimum solution in engine layout, power requirements for auxiliary systems, system diagrams, list of necessary capacities and technical advice on systems that deviate from MAN B&W Diesel standard.

For a typical project, with one two-stroke propulsion engine and three auxiliary engines, common installation documentation can be prepared and supplied to the yard and the end-user. In such material, the advantages of choosing both main and auxiliary engines of MAN B&W design will be given in detail, based on project-related engines.

