

Operating and Maintenance Instructions

According to the international regulations of IMO (see SOLAS 74/88 Chap. II-1 Reg. 26; MSC 67/22/ Add. I; ISM Code Res. A.741(18) 6.6), operating and maintenance instructions^{*)} and engineering drawings must be available on board in the working language.

For safe operation of the ship the following operating, maintenance and instruction books for essentials machinery and equipment must be present on board:

- | | |
|---------------------------------|-------------------------------------|
| 1. Main propulsion engines | 7. Variable-pitch propeller systems |
| 2. Generators | 8. Automation equipment |
| 3. Main switchboards | 9. Steering gear machinery |
| 4. Auxiliary diesel engines | 10. Windlasses |
| 5. Boiler plants | 11. Thermal oil heaters |
| 6. Fire-extinguishing equipment | |

The operating and maintenance instructions may be in German or English for the following units and operating equipment:

1. Control elements
2. Bilge and ballast systems and sea valves
3. Starting air compressors
4. Separators, oil firing and treatment plants
5. Drinking water systems and evaporators
6. Oily water separators (15 ppm/100 ppm units), 15 ppm alarms and waste water treatment plants

Where units and operating equipment, or the servicing and maintenance work on these, are particularly hazardous, operating and maintenance instructions in German or alternatively in English may be required in addition to the items included in this list.

^{*)}*Operating and maintenance instructions should comply with DIN 'V' 8418 "Information for Users: Instructions on Presentation", and shall include details of operating, maintenance, fault detection and trouble-shooting.*