

Subject

Confirmation of Periodical Surveys for Emergency Fire Pumps

# **ClassNK**

## ***Technical Information***

No. TEC-0884  
Date 13 December 2011

To whom it may concern

In recent years, there have been many reported cases of problems with Emergency Fire Pump, especially, self-priming pump and associated equipment that are direct result of poor maintenance. In many of these cases, the problems were so minor that they could have been easily avoided through performing simple maintenance on site.

Emergency Fire Pumps are required to be promptly activated without fail in the event of a fire which means that they need to be kept in good working condition at all times.

Therefore, relevant requirements of ClassNK Rules have been added regarding the maintenance of Emergency Fire Pumps on 30 June 2011, ClassNK would like to simply remind that confirmation of overhaul inspection record of the self priming pump and associated equipment, etc. of Emergency Fire Pumps and it is to be maintained in good working order are confirmed at periodical survey on or after 30 December 2011.

For any questions about the above, please contact:

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Attachment:

1. Excerption of Amended Rules and Guidance

NOTES:

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Attachment 1. to  
ClassNK Technical Information No. TEC-0884

“Rules for the survey and construction of steel ships” has been partly amended as follows:

## Part B CLASS SURVEYS

### Chapter 3 ANNUAL SURVEYS

#### 3.2 Annual Surveys for Hull, Equipment, Fire Extinction and Fittings

##### 3.2.2 General Examination

Table B3.2 has been amended as follows.

**Table B3.2 General Examination**

Items	Examination
1 Shell plating	• Confirmation that areas visible above the load waterline are in good condition.
2 Weather deck plating	
3 Openings on deck and outside of the hull	• Confirmation that the following are in good condition: coamings and closing appliances of hatchways and flush deck openings on the exposed deck and within unenclosed superstructures; gangway ports, cargo ports and coal ports; and side scuttles below the freeboard or superstructure deck.
4 Casings of engine room	• Confirmation that the following are in good condition: exposed engine casings and their openings; and skylights of the engine room and boiler room and their closing appliances.
5 Ventilators	• Confirmation that coamings and closing appliances of ventilators to spaces below the freeboard deck or within enclosed superstructures are in good condition.
6 Air pipes	• Confirmation that the air pipes on weather deck and their closing appliances are in good condition.
7 Watertight bulkhead and superstructure end bulkhead	• Confirmation that watertight doors, penetrations and stop valves on watertight bulkheads, and closing appliances of openings in superstructure end bulkheads are in good condition.
8 Load line marks	• Confirmation that deck line and load line markings are appropriate.
9 Bulwark	• Confirmation that bulwarks and the shutters of its freeing ports; and hinges and guard rails are in good condition.
10 Means of access	• Confirmation that permanent gangways or other means of access are in good condition.
11 Scuppers, inlets, other discharge pipes and valves	• Confirmation that all areas which can be examined are in good condition.
12 Securing arrangement for on-deck timber	• Confirmation that securing arrangement for on-deck timber including eye plates, lashing wires, etc. is in good condition regardless of timber freeboard markings.
13 Anchoring and mooring arrangement	• Confirmation that the anchoring and mooring arrangements including their accessories are in good condition as far as can be seen.

14 Fire extinguishing arrangement	<ul style="list-style-type: none"> <li>Confirmation that the fire extinguishing arrangement is in good condition and the fixed fire extinguishing system, semi-portable and portable fire extinguishers, <del>and</del> fireman's outfits <u>and emergency fire pumps</u> are maintained in good order.</li> </ul>
15 Fire protection arrangement and means of escape	<ul style="list-style-type: none"> <li>Confirmation that no alteration has been made to these arrangements since the last survey.</li> </ul>
16 Sails and their accessories	<ul style="list-style-type: none"> <li>Confirmation that sails and their accessories are in good condition. They are to be in place and ready for unfolding at the time of examination.</li> </ul>
17 Towing and mooring fittings	<ul style="list-style-type: none"> <li>Confirmation that the mark of Safe Working Load (<i>SWL</i>) on towing and mooring fittings of ships required to have this mark as specified in <b>27.2.2 or 27.2.3, Part C</b> or <b>23.2.2 or 23.2.3, Part CS</b> is clearly visible and these fittings are in good condition.</li> </ul>
18 Emergency towing arrangement	<ul style="list-style-type: none"> <li>Confirmation that the emergency towing arrangement of ships required to have one in accordance with the provisions of <b>27.3, Part C</b>, is in good condition.</li> </ul>
19 Loading computer	<ul style="list-style-type: none"> <li>Confirmation that the computer of ships required to have one in accordance with the provisions of <b>34.1.1</b> and <b>34.3.2, Part C</b> is maintained in good order.</li> </ul>
20 Ship Identification Number	<ul style="list-style-type: none"> <li>Confirmation that the markings of the ship's identification number for ships required to be so marked are in good condition.</li> </ul>
21 Means of embarkation and disembarkation	<ul style="list-style-type: none"> <li>Confirmation that the means of embarkation and disembarkation are in good condition.</li> </ul>
<b>Additional Requirement for Tankers, Ships Carrying Dangerous Chemicals in bulk and Ships Carrying Liquefied Gases in bulk</b>	
22 Piping	<ul style="list-style-type: none"> <li>Confirmation that cargo oil, fuel oil, ballast, vent pipes including vent masts and headers, inert gas pipes and all other piping in cargo pump room, cargo compressor rooms and on weather decks are in good condition.</li> </ul>
<b>Additional Requirement for Bulk Carriers over 10 years of age</b>	
23 Piping in the cargo holds	<ul style="list-style-type: none"> <li>Confirmation that all piping and penetrations in cargo holds, including overboard piping, are in good condition.</li> </ul>
<b>Additional Requirement for General Dry Cargo Ships of not less than 500 gross tonnage and over 15 years of age</b>	
24 Piping in the cargo holds	<ul style="list-style-type: none"> <li>Confirmation that all piping and penetrations in cargo holds, including overboard piping, are in good condition.</li> </ul>

Note:

Examination of suspect areas identified at previous surveys is to be carried out.

“Guidance for the survey and construction of steel ships” has been partly amended as follows:

## **Part B CLASS SURVEYS**

### **B3 ANNUAL SURVEYS**

#### **B3.2 Annual Surveys for Hull, Equipment, Fire extinction and Fittings**

##### **B3.2.2 General Examination**

Sub-paragraph -3 has been amended as follows.

3 The examination stipulated in item 14 of **Table B3.2, Part B of the Rules** includes checking whether movable fire extinguishers and portable fire extinguishers remain effective and whether air bottles of self-contained breathing apparatus are charged and overhaul inspections of the self priming pump and associated equipment, etc. of emergency fire pumps are conducted at least once every five years, and are to be confirmed to be maintained in good working order.