



1. Applied model

All the hinged type (SHS model)

2. Date of manufacture

From 1988 up to now

3. Outline

Remarkable corrosion was confirmed at the back and upper side of the cradle (davitt arm) and there was a hole. [Photo 3] If no measurement was taken on this condition, rain or sea water would go inside of the cradle from this hole and the corrosion would progress. This may lead to the weakening of the strength of the cradle itself.

4. Cause

During davitt recovering procedure by manual hand brake, the cradle was hoisted fully and tension of the fall wire was not released. At this point the cradle and the frame interfered each other and the water stayed at this interfering section. It is presumed that the corrosion progressed little by little because this condition continued for a long time.

5. Countermeasure

- In case the rust is only on the surface, the rust have to be completely removed and the touch-up painting must be carried out.
- In case the rust effects deep in the material or holes are found, repair by sectional cutting or the replacement of cradle is necessary.

6. Prevention of accident

After fully hoisting up the cradle by manual handle, set the cradle clamp (davitt arm stopper) and release the tension of the fall wire a little bit so that the cradle will be stopped by cradle clamp. [Photo 4] Then, lash the boat. In this way, it is possible to reduce the risk of corrosion by making a space between the cradle and the frame. [Photo 5] If the paint is come off, carry out the touch-up painting.

