

# **Valves and Pipe Fittings used for Group II Pipes**

## **Amended Rules**

Rules for the Survey and Construction of Steel Ships Part D

## **Reason for Amendment**

In general, use of the brittle material cast iron is restricted to Group I and Group II pipes with a high working pressure because such pipes are required to be sufficiently strong to resist external impacts, etc. More specifically, under the current NK rules, the use of cast iron materials is, in special cases, acceptable for the valves of Group I pipes used for hydraulic operations if said valves have been designed to be sufficiently strong.

The special cases mentioned above only apply to Group I pipes. However, it is believed that said special cases may be also applied to Group II pipes which can be handled in the same manner as Group I pipes. Therefore relevant requirements have been amended to specify that the use of cast iron valves for Group II pipes is to be handled in the same manner as for Group I pipes.

## **Outline of Amendment**

It has been stipulated that the use of cast iron valves is acceptable for Group II pipes used for hydraulic operation piping under certain conditions.