

Internal Wiring for Lighting Fittings

Amended Rules

Rules for the Survey and Construction of Steel Ships Part H

Reason for Amendment

Recently, NK received a report regarding a problem that a certain ship was having which was related to the insulation cover of the internal wiring of the fluorescent light installed in an accommodation area. The insulation cover of the wiring was discovered to have melted. So, an investigation was conducted and it was identified that the melting was primarily caused by ultraviolet rays and heat from the fluorescent light.

Internal wire insulation covers degraded or melted by the ultraviolet rays and heat may lead to a short circuit which, in turn, may lead to a fire, etc. Therefore, relevant requirements have been amended accordingly in order to require that the internal wiring of lighting fittings use wiring which takes into account the effects of ultraviolet rays and heat.

Outline of Amendment

It was specified that only wiring which takes into account ultraviolet ray and heat degradation is to be used as the internal wiring for lighting fittings.