

INVESTIGATION OF THE SHIPS LIGHTNING PROTECTION SYSTEMS***TAYFUN UYANIK¹, YASIN ARSLANOGLU², OZCAN KALENDERLI³***

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ABSTRACT

Today, a significant portion of commercial freight transport is carried out by vessels. Therefore, shipping industry is a big part of industry and trade. Even if a lightning strike is in very short time, can cause huge damages to vital systems such as mechanical systems and electrical system at the ship. In this situation, it is necessary to protect the vessels against any material damage or loss of life that may occur. In this study, lightning protection systems used today in ships have been examined comparatively. By determining the advantages and disadvantages of the systems relative to each other, it has been tried to determine in which situations the damage of the ship will be less in case of lightning.

KEYWORDS - Ship, Lightning, Ship Lightning Protection