Abstract:

This research document analyses the impact of methanol as a fuel on operational safety on board ships. As the demand for cleaner and more sustainable fuels in the maritime sector increases, methanol is emerging as a promising alternative due to its environmental benefits and compatibility with existing marine engines. However, the adoption of methanol raises questions about operational safety and requires a thorough assessment of the safety measures required for its effective use.

The research develops several aspects of the impact of methanol fuel on the safety onboard vessels by examining the regulations and provisions in place for its use, as well as the complexities involved in integrating it into maritime operations. The various safety systems, risk management procedures and training required for crews are also analyzed. Case studies and experiences of professionals involved in the transition to maritime operations using methanol are developed.

The analysis of the impact of methanol on operational safety reveals that safety systems and rules have been developed to enable the safe use of methanol as a fuel on board ships.