

ABSTRACT

Emulsion Fuel

There is provided a novel emulsion fuel having excellent long-term storage stability and offering stable and optimum combustion efficiency, which maintains an emulsified state free from separation between fuel oil and water during long-term storage with no necessity of additives such as an emulsifying agent and stabilizing agent, and does not cause separation between fuel oil and water by temperature change, and an emulsion fuel production method for readily and reliably producing the emulsion fuel.

[Means for Solving the Problem]

The emulsion fuel comprises fuel oil and functional water and contains no additive such as a surfactant or emulsifying agent, particularly the functional water being electronic water and harmonic reduced water. Said emulsion fuel of the invention preferably further comprises sodium chloride. The emulsion fuel production method comprises a first step of mixing fuel oil with harmonic reduced water while stirring to form an emulsion, and a subsequent second step of mixing the emulsion formed in the first step with electronic water while stirring.

[Selected Drawing] Fig. 2