

TOPIC: (1) Design of ships and special waterborne vessels

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SHIP DESIGN OF TUNA SEINERS SARDINA 1 & 2, NEPTUN 1 & 2, SIN KALI

Summary

In a year 2005, confronted with the necessity for modernization of the fishing fleet, three domestic clients have concluded a contract design of modern fishing vessels – tuna seiners for fishery in Adriatic and Mediterranean Sea. Ships were built simultaneously in two indigenous shipyards. In next three years, five tuna seiners have sailed away and began successfully performing their tasks.

In the paper are given ship design procedures of "custom made" vessels and finding solutions to technical problems that are arising in such a complex project. Designing of hull form with a special focus on bulb design, designing a ships construction, designing of propulsion system and an adequate selection of fishing equipment due to the complexity of tuna fishing and its storage is described.

Key words: fishing vessel, tuna seiner, ship design, ship form, propulsion, ship equipment

OSNIVANJE TUNOLOVACA SARDINA 1 I 2, NEPTUN 1 I 2, SIN KALI

2005. godine, suočeni s potrebom osuvremenjivanja ribarske flote, tri domaća naručitelja sklopili su ugovor o projektiranju suvremenih ribarskih brodova tunolovaca za tunolov na Jadranskom i Sredozemnom moru. Brodovi su se istodobno gradili u dva domaća brodogradilišta. U slijedeće tri godine, pet je tunolovaca zaplovilo i počelo uspješno obavljati svoje zadaće.

U članku je dan prikaz postupka osnivanja "custom made" brodova i rješavanja tehničkih problema koji nastaju pri jednom tako složenom projektu. Opisano je osnivanje forme broda s posebnim osvrtom na projektiranje bulba, osnivanje brodske konstrukcije, osnivanje pogonsko-propulzijskog postrojenja i odabir adekvatne ribarske opreme s obzirom na složenost izlova tune i njenog skladištenja.

Ključne riječi: ribarski brod, tunolovac, osnivanje, brodska forma, propulzija, brodska oprema