CALIFORNIA STATE SCIENCE FAIR
2009 PROJECT SUMMARY

Name(s)
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Project Number
S0201

Project Title
Are Compressed Air Powered Marine Vessels Feasible, Effective and Economical?

Abstract

Objectives/Goals
To prove that a compressed gas powered watercraft would work aka. move, and if it works, it should do so efficiently, and economically.

Methods/Materials
The method we used to test the project was included a swimming pool, with a course built by ourselves, and a boat also constructed by ourselves. The vessel used a compressed gas powered engine, a hull, propeller and ballast. The engine is supplied with gas through an air tank, inside the hull and to compress the air in the tank, we used an air pump. In order to test the boat and that the objective works, we ran our boat through the swimming pool course stated above, while timing every run.

Results
We proved that the technology works, in terms of being efficient, fast, feasible and economical.

Summary Statement
Proving that a compressed gas powered watercraft would work aka. move, and if it works, it should do so efficiently, and economically.

Help Received
None from outside, only help from the two team members