



HydroComp, Inc.

FOR IMMEDIATE RELEASE
15 June 2006

NavCad™

New Features for 2006

NavCad is a software tool for the **prediction and analysis of vessel speed and power performance**. It also provides for the selection of suitable propulsion system components - engines, gears and propellers.

NavCad has a significant number of new features under development for 2006, especially for propeller performance and sizing.

Additions for 2006

- **Cavitation analysis [available now]** - A new proprietary prediction method for propellers in the transcavitating mode was added to NavCad, and presented at the WMTC2006 Conference in London.
- **Effect of shaft angle [available now]** - High shaft angle can greatly affect a propeller's thrust and torque. Avoid unexpected overload and peak cavitation surprises with a new "inclined flow" algorithm.
- **Propeller sizing** - A designer often needs to find the best propeller for a boat's top speed. A new iterative technique has been developed to automatically match the propeller sizing design speed to the attainable top speed.
- **Measures of propulsion merit** - A good designer always compares a design to industry-standard measures of merit. New propulsion criteria are being added, including "transport efficiency".

HydroComp, Inc. provides software products and consultancy services for the performance analysis and design of marine vehicles to industry, research and government clients. Currently more than 500 marine professionals in over 45 countries are using *HydroComp* award-winning marine propulsion software.

For more information, please contact:

HydroComp, Inc.
13 Jenkins Ct, Suite 200
Durham, NH 03824 USA
Tel (603)868-3344
Fax (603)868-3366
info@hydrocompinc.com
www.hydrocompinc.com