



**FOR IMMEDIATE RELEASE**  
**13 October 2006**

## **PropExpert™ 2006**

**HydroComp** – Award winning marine propulsion software

*"In a market where software has been notoriously poor and unreliable, HydroComp has produced the very best in the industry."* - **METS Design Award jury**

PropExpert is a software tool for the sizing and analysis of propellers for work boats and pleasure craft. It provides the tools needed for the proper selection of propulsion system components - engine, gear and propeller - and has been selected as the principal propeller sizing tool of many of the best known manufacturers and distributors of marine engines and propellers.

**New for 2006/2007:**

- **Effect of shaft angle** - 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.
- **Blade scan analysis** - Enter local pitch and chord length at a few radii as measured from a blade scanning device, and this utility will help you determine the propeller's EAR and hydrodynamic mean pitch.
- **New cupping analysis** - A new prediction method for the effect of cupping was developed based on a re-analysis of cupped propeller data, and is now available in PropExpert.

**Added in 2005**

- **Cavitation analysis** - An improved analysis for trans-cavitating propellers, such as for 3-bladed propellers under heavy load at high speed.
- **Loading checks** - Supplemental propeller Power Loading check to indicate potential cavitation and thrust breakdown before sizing.
- **Supplemental calculations** - Improved shaft diameter calculation.
- **Library data** - New propeller models added to the library.
- **Speed validations** - Additional speed prediction validation checks using predicted Transport Efficiency

**Be sure to visit us during METS 2006 at stand 04.111 for a free software demonstration. Donald MacPherson, Technical Director, of HCI will be available for personal consultations.**

*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:**

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