

# PLEASURE BOAT PROP-IT-RIGHT ANALYSIS FORM

Type of Analysis: Powerboat  Sailboat  Repower

Name: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City/State: \_\_\_\_\_  
 Zip/Country: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-mail: \_\_\_\_\_  
 Date: \_\_\_\_\_

## VESSEL INFORMATION

Manufacturer: \_\_\_\_\_  
 Model: \_\_\_\_\_  
 Year: \_\_\_\_\_  
 Boat Use: Work/Commercial  Towing  Pleasure   
 Hull Type: Displacement  Semi-Displacement  Planing   
 Bottom Design: Open  Tunnel  Pocket   
 Hull Material: Fiberglass  Wood  Aluminum

### 1. Vessel Data

Overall Length: \_\_\_\_\_ Loaded Weight: \_\_\_\_\_ Expected Top Speed: \_\_\_\_\_  
 Waterline Length: \_\_\_\_\_ Beam: \_\_\_\_\_ Draft: \_\_\_\_\_

### ALL ENGINE DATA MUST BE COMPLETED.

### 2. Current or New Engine Data\*

Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_ Year: \_\_\_\_\_  
 Maximum Engine Rating: Brake \_\_\_\_\_ HP @ \_\_\_\_\_ RPM or Shaft \_\_\_\_\_ HP @ \_\_\_\_\_ RPM  
 Gear Reduction Ratio: \_\_\_\_\_ :1 Fuel Type: Gas  Diesel  Other   
 Number of Engines: Single  Twin  Triple  Other

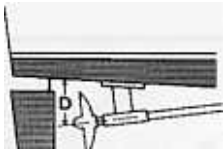
If no propeller size or performance data available, section 1 must be completed in detail.

Current Performance: Full Throttle (Wide-open) Engine RPM \_\_\_\_\_ RPM (Actual tachometer reading)  
 Full Throttle (Wide-open) Vessel Speed \_\_\_\_\_ MPH  Knots  (Actual speedometer/GPS reading)

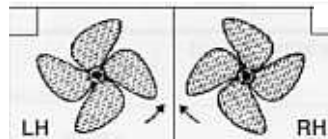
\* If re-power, fill in the above with **NEW** engine data. Refer to the Section 3 for current propeller data and Section 4 for "Repower" data.

### 3. Current Propeller Data

Manufacturer: \_\_\_\_\_ Model/Style \_\_\_\_\_ Material: Bronze  Nibral  Stainless Steel   
 Propeller Size: Diameter \_\_\_\_\_ x Pitch \_\_\_\_\_ Number of Blades: \_\_\_\_\_



Maximum Propeller Diameter  
 OR  
 Shaft to Hull Distance  $D =$  \_\_\_\_\_  
 Shaft: SAE  Metric  Size \_\_\_\_\_



Rotation: Check one or both  
 Viewed from behind the boat.

### 4. Re-power Data (Old Engine Information)

Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_ Year: \_\_\_\_\_  
 Maximum Engine Rating: Brake \_\_\_\_\_ HP @ \_\_\_\_\_ RPM or Shaft \_\_\_\_\_ HP @ \_\_\_\_\_ RPM  
 Gear Reduction Ratio: \_\_\_\_\_ :1 Fuel Type: Gas  Diesel  Other   
 Number of Engines: Single  Twin  Triple  Other   
 Old Performance: Full Throttle (Wide-open) Engine RPM \_\_\_\_\_ RPM (Actual tachometer reading)  
 Full Throttle (Wide-open) Vessel Speed \_\_\_\_\_ MPH  Knots  (Actual speedometer/GPS reading)

Comments: \_\_\_\_\_