

AeroMarine Research

TBPNews - Performance Report

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**TBPNews #112 – May 23, 2007**  
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>>>> **Tunnel Boat Performance News** >>>>> (over 5000 members!)

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***** TBPNews *****

1) Fairchild Wins Champboat Season Opener



[Courtesy of ChampBoat Series, www.champboat.com]

ChampBoat Series veteran, Chris Fairchild fights his way to the lead to beat earl leaders in what became another Augusta river race classic.

After a ten year hiatus F1 style boat racing returned to Augusta for what became a spectacular race. Pole sitter, Shaun Torrente of Miami was beaten to the second lap flag by veteran teammate Todd Bowden who dominated the event only to be sidelined with mechanical problems halfway into the race. The disappointed California driver had the best seat in the house as he sat in the middle of the race course to watch his teammate battle to hold off the hard charging Fairchild, but couldn't keep him at bay. "Chris had his boat dialed in today and he drove a great race, so he deserves the win", stated the Miami driver. "It was either crash trying or win". After a bad year last year, I just wanted to

start the season off with a win for my Lee Ramsey and my team so badly", stated the winner from Illinois.

Third place went to the 2006 Champion, Terry Rinker and his Rinker/Amsoil team. Fourth place went to New York's Wyatt Nelson who drove a fine race under massive pressure four-time series champion Tim Seibold of the Bud Light team. Seibold had issues with his new boat opting for his backup being

to start last. Seebold moved up five spots on the first lap only to get stuck riding around behind Nelson and Rinker the rest of the day. One scary moment happened when sixth place qualifier, Brian Normand's engine caught fire in what was a fiery inferno virtually destroying his new boat.

The ChampBoat Grand Prix Series heads north for the 20th annual, Bay City River Roar.

Check out details at: www.champboat.com

***** TBPNews *****

2) New Mercury 300hp Supercharged Verado



Mercury Marine introduced two additions to its flagship Verado outboard line – a 200 hp in-line four-cylinder and a 300 hp in-line six-cylinder Verado. Verado is the world's only production supercharged outboard. Other than the engine blocks, the base engines of both are the same, with dual overhead cams, four valves per cylinder and the bedplate-and-long bolt design often seen in Formula 1 race cars.

Recognizing that more muscle is required as outboard-powered boats become larger, Mercury designed the 300 hp in-line six-cylinder Verado. The introduction reinforces Mercury's leadership position in the offshore saltwater market. Other target applications are coastal bay and freshwater multi-species. The 300 hp Verado features special styling and graphics to the cowl. It is available in 20-inch (L), 25-inch (XL, CXL) and 30-inch (XXL, CXXL) versions. Left-hand rotation models are available with 25 inch and 30-inch shafts only. Premium fuel is recommended for the 300 hp Verado to achieve the highest performance and to produce the very best fuel efficiency. However, the 300 hp Verado is designed to run on standard 87 octane fuel.

check out details & specs at: mercurymarine.com

***** TBPNews *****

3) Grand Prix of Portugal Ushers in "Crash Box" Era F1 Racing



Abu Dhabi, UAE - The long awaited new era of extra driver protection mandated by the governing body of F1 racing, the Union of International Motonautique (U.I.M.), is introduced at the opening round of the new 2007 U.I.M. F1 World Championship for power boating at the 9th Annual Grand Prix of Portugal in Portimao on the Algarve coast.

The added protection for F1 competitors has taken different routes by the 6 different boat manufacturers with different shapes and a "re-think" by the designers to figure a way to keep both aerodynamics and center of gravity concerns answered with the added weight that will be placed on the front of the racing hulls with the added crash protection.

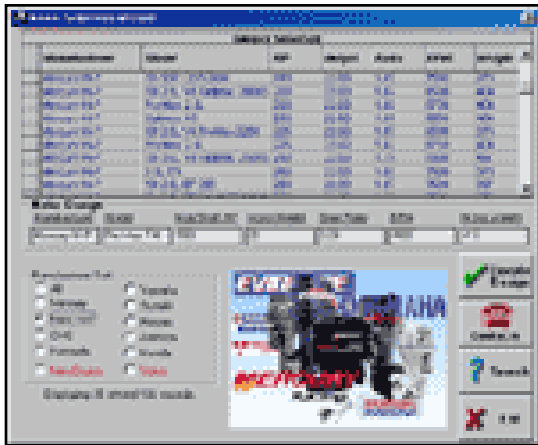
The XPV Racing team based in Brisbane, Australia has probably more time with the new add-ons to the hull with good weather in the Southern Hemisphere this past winter along with the national Australian F1 series getting underway both Bob and brother David Trask along with their skilled designers and crew have been very active in their pursuit in getting the upper hand of these new boats.

Defending World Champion Scott Gillman of the Emirates Team, who has always been a visionary when it comes to new and different designs and who gathered up his 4th title last season despite trying three different boats in the process, has continued to try out different hulls during the time he is preparing to defend his championship. Portugal native son Duarte Benavente is going to lead the charge of the new and somewhat radical Dragon designed boat that was developed in Wales by multi-time past World Champion Jonathan Jones who has taken the new rules to his wind tunnel testing facility at a local university and shaped up a lovely looking example of the era boats. He has also added an air scoop that has been used so successful by American designer David Lee whos boat has won 9 straight wins on the ChampBoat North American F1 tour in going back to the 2005 season.

check out more details at: www.f1boat.com

***** TBPNews *****

4) 2007 Software Updates for TBDP© and PropWorks2©



New 2007 Motor Wizard update (AeroMarine Research®)- Now over 450 engine choices in Motor Wizard database! With new 2007 engine spec's. [Included with "[Tunnel Boat Design©](#)" software & [PropWorks2©](#) software]. Use the New Motor Design Wizard to easily input the dimensional information for your setup. Just select your OEM engine manufacturer and highlight your model from the over 450 listed. The published manufacturers specifications are all there - Mercury Marine, Merc Hi-Performance, Bombardier Evinrude/Johnson, Yamaha, Suzuki, Nissan, Honda, Tohatsu, Mariner, Volvo, Mercruiser, Steyr, OMC, Volvo Penta. The OEM factory correct MaxHP, Height, Weight,

RPM and gear ratio will be automatically input to TBDP V7.8 and PropWorks software V2.8. [Contact AeroMarine Research®](#) for more information or your Update!



Also: Latest Tunnel Boat Design Program (TBDP) Software Update - Available to CURRENT TBDP© USERS. Get the latest Version of TBDP© for Windows XP/2000/ME/98/98se. Now more features than ever! New 2007 Motor Wizard database update, now over 450+ engines listed!. Vee-hull analysis enhancements! WinXP latest updates; 2006 Motor Wizard database update; Euro software additions, vee-hull analysis features added; [Download a summary of NEW TBDP here](#). If you already own TBDP©, and you want to obtain the LATEST SOFTWARE VERSION UPGRADE, please provide your original date of purchase in the

"special shipping instructions" section of the order form.

Order your AeroMarine Research Software Updates:

TBDP Update: aeromarineresearch.com

MOTOR WIZARD Update: aeromarineresearch.com

Check it out at: aeromarineresearch.com

***** TBPNews *****

5) Mercury/Yamaha Win "24 Hours of Rouen" Endurance Powerboat Race



Race boats powered by Mercury Marine outboard engines garnered the top 12 spots in the world's most demanding powerboat race - 24 Hours of Rouen in Rouen, France. Class 3 was won by the Mercury/Moore setup of VAUBAN HUMANIS (Boyard Christophe, Savin Xavier, Deguisne Cédric); Class 2 was won by 5th overall Mercury Epa/Moore team NAVIKART (Lemoine Sébastien, Doublet Eric, Bourdin Tony, Delambre Franck) and Class 1 was won by the 14th overall Yamaha/Demante TEAM

TOUAX PERFORMANCE (Autard Marie Laure, Ottman Nicolas, Lecomte Philippe, Detot Jean Claude). The best by a non-Mercury team was the BRP entry, 13th overall Evinrude Epa/Dac TEAM RMSM BRP (Morin Peter, Lebleu Fr Xavier, Larigot Christophe, Morin Nelson)

The 44th running of the Rouen endurance race concluded Tuesday morning, May 1. The race tests both man and machine, as boats run nonstop, with the exception of fuel stops and driver exchanges, for 24 hours. Team Vauban Humanis, powered by a Mercury S3000 race outboard, finished first by completing 851 laps for the overall win. It was a record-tying fourth victory for lead driver Christophe Boyard and a first win for teammates Cedric Deguisne and Xavier Savin.

Team Vauban Humanis finished 21 laps ahead of second-place Team Dynamic Performance, which also drove a Mercury S3000-powered boat. Teams Casino Forges Eaux and Drakkar Inshore #18 rounded out the top four teams overall with 822 and 816 laps completed, respectively.

Check out details at: www.24heuresrouen.com

***** TBPNews *****

6) Jimboat Authors NEW HotBoat Mag Article



Author Jim Russell (Jimboat) has authored another unique powerboat design article in the April 2007 issue of Hot Boat magazine. Find out the technical answers to Reader's questions... "My ModVP style sport tunnel (with centerpod) has a real "hopping" motion at about 70 mph. It's like a porpoising, but it goes away at about 80mph. What is wrong with my setup?" or..."My vee hull has an annoying porpoise at 30 mph. What is causing it? And how can I get rid of it?". The detailed explanation of the Lift, Drag and Dynamic Stability issues associated with the velocity



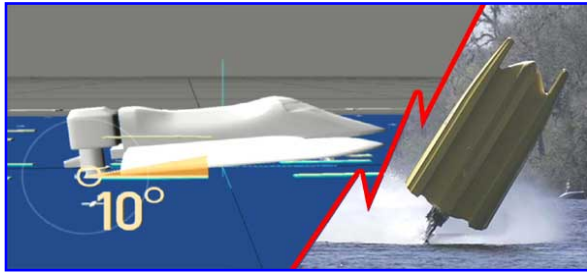
transition region known as the "Hump Zone" are explained by expert Jimboat.

Get your copy of Jimboat's article at: - ['Hump Zone' - "Why does your Boat Porpoise?" - HB-April 2007](#)

***** TBPNews *****

7) Powerboat Racing on TV

*** **"Thrill Zone: Extreme Powerboats"** - National Geographic powerboat show.



Author Jim Russell (Jimboat) is powerboat design technical consultant on a new National Geographic special for "Thrill Zone" series...**Watch our website for the Next Show scheduled.**

Details at: (channel.nationalgeographic.com)

Watch for other show dates on AR's website! www.aeromarineresearch.com/NatGeo_thrill-zone.html

*** **"Champ Boat Grand Prix Series"** - on SPEED Channel - Check for next show at: www.champboat.com or at: www.speedtv.com

*** **"F1 World Championship TV Show"** on The Water Channel - Check it out at: www.waterchannel.com; [see web site for other show times]

*** **NEW "War On Water" TV Show** on The Water Channel - Check it out at: www.waterchannel.com; [see web site for other show times]

*** **"Class 1 – World Championship – 2006"** on The Water Channel - Check it out at: www.waterchannel.com; [see web site for other show times]

*** **"Offshore Classics"** on The Water Channel - Check it out at: www.waterchannel.com; [see web site for other show times]

*** **"American Powerboat Television"** on The Water Channel - Check it out at: www.waterchannel.com; [see web site for other show times]

[Ed. Note: The Water Channel is available on [The Dish Network](#)]

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8) Jimboat's Feature articles

Jimboat writes Feature articles in HotBoat, Family&Performance Boating, World of Powerboats, Extreme

