

AeroMarine Research

TBPNews - Performance Report

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**TBPNews #140 - May 19, 2011**  
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>>>> **Tunnel Boat Performance News** >>>>> (over 5000 members!)
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***** TBPNews *****

Check out [review of Jimboat's 13th Ed. "Secrets of Tunnel Boat Design" book in the last HotBoat magazine printed!](#)

1) Scariest Thing That Has Ever Happened to Me in a Hydroplane



SEATTLE, Wash. -- It's one of the those moments where life literally flashes before your eyes.

UL-72 driver Kayleigh Perkins took her hydro on a test run Thursday on Lake Washington when the engine caught fire. Perkins then opened the hatch and the right side of the hydro's deck exploded. The UL-72 driver thinks that the fire started because of a fuel leak.

Fortunately, Perkins was able to get out of the cockpit and is okay. But, she knows she is lucky.

"I kept thinking I know that, that was the deck," said Perkins of the explosion. "I knew that it wasn't the motor or the fuel tank. I knew that if either one of these things went, it would be extremely, extremely bad for me. If the fuel tank blew up while I was still in the

water, it would have been really bad, it would have been like a stick of dynamite went off in the boat, which is pretty much what would have happened."

That's what happened when 22-year old Kayleigh Perkins took the U-72 Miss Foster Care out for a test run on Seattle's Lake Washington. Perkins managed to pop the hatch and jump to safety. She swam to shore as the boat burned around her.

Her husband, James Mallory, was working the radios on shore. "Fire, fire" he yelled. Perkins said she saw the fire in the mirror and knew it was time to get out. Mallory and others jumped in the water and helped her get back on land just before a rescue boat got to the scene.

Check out more at: kndu.com

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2) Third Class of UIM F1 H2O "Hall Of Fame" Nominees Set



ABU DHABI – It's time to vote! For the third straight year since it's

inception the UIM F1 H2O World Championship for powerboating will honor two of its four nominees for its ring of honor and once again the determination of the two new "Hall of Fame" inductees will fall to the thousands of web browsers who surf the www.f1h2o.com website throughout year.

The opportunity to cast a ballot will be made when a web searcher goes on to the official website and chooses two of the four people they feel most deserving for their selections into immortality. The winning two people who have accumulated the most votes combined from the internet voting and selections made by the international media will be a guest of series promoter Nicolo di San Germano and brought to the gala end of the year celebration at the Grand Prix at Sharjah in the United Arab Emirates on the 15th and 16th of December to be honored into the "Hall of Fame".

"I feel this is a wonderful way to celebrate the special people who have made a mark in this sport and to have all our fans from throughout the globe be part of the process is really outstanding," said Nicolo. "We have a very noteworthy group of talented individuals that in their lifetime have dedicated their time to this sport and once again it will be difficult to not want to take all four people into the "Hall of Fame" instead of just two. This year could be our closest voting process and I can't wait to see whom my honored guests will be in December in Sharjah."

The 2011 UIM F1 H2O World Championship "Hall of Fame" nominees are:

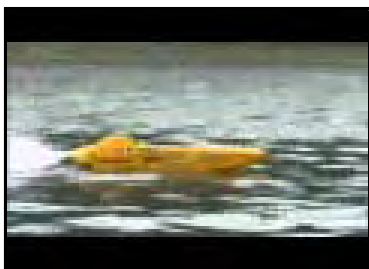
- 1 - Ziggy Boettle (USA)
- 2 - Arthur Mostert (NED)
- 3 - Charlie Strang (USA)
- 4 - Michael Werner (GER)

Read more on the [Profile of Candidates](#)

Check out more at f1h2o.com

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3) Great Powerboat Videos



Check out these great videos....

.....F1 Tunnel Boat [Crashes](#)

.....Worlds Fastest [RC Boat](#)

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4) UAE Wooden Powerboat Championships



UAE Wooden Powerboat Championships final heat of the five round Majid Bin Mohammed Watersports Championships brought success for the Extreme Marine team as they took first and second place with Toll Global coming in third.

Finishing the 10 lap course with an average of 86 kph the first boat driven by Salem Fadhel Al Hamli and Ahmed Mohamed Al Suwaidi, finished in 41m:52s, 16 seconds ahead of Extreme Marine 2 with Khamis Al Qubaisi and Khalfan Suhail Al Muhairi in charge and 37 seconds in front of Toll Global driven by Saeed Obeid Khalifa Al Muhairi and Rashid Awadh Al Hamli.

As the new Dubai International Marine Club Sports Committee introduces additional rules and regulations by putting all the boats through post race scrutinizing various issues have come to light and penalties have been added to nine out of the competing

sixteen boats after the last race.

The result of the recent penalties meant the changes to some of the top positions in the last race, which will impact the overall positions but Extreme Marine performance and four out of five wins has ensured their place at the top of the overall scoreboard.

See more at: powerboat-world.com

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5) FEATURE: 24 Hours of Rouen 2011 - Still Kickin'

.....by FrenchPhil for TBPNews



After last year's tragic accident during the night and the continued pressure of the environmentalists at City Hall, many observers had the 47 year old Rouen event dead and buried.

But the race organizers & teams were not going down without a fight especially with the support of the local population vastly in favor of this institution that many grew up with.

So after long and intense negotiations & despite the loss of the night race, the 24 hours of Rouen were finally authorized in early March. This late decision however left many teams out in the cold as it gave them little time to prepare. The usual 50+ teams gave way to 28 this year but that was more than enough to ensure the success of the 2011 event.

In the first hours of the race on Saturday April 30th, Team Drakkar #2 Inshore with F1 World Driver Philippe Chiappe was the team to beat, putting the pressure on their immediate followers Team Neptune Inshore # 14 & Team Performance # 1. In the following hours many class 3 boats took turns aiming for the top spots like Team Force Inshore #18 & Team Vauban Humanis # 8.



On day 2, Sunday May 1st, Team Drakkar was still holding on to 1st place followed now by Team Force Inshore and Team Tech Motor # 16 which was slowly picking up speed. By now, some class 2 boats were steadily climbing their way up, like Team Marine Inshore # 28 in 6th spot or Team Dailly Inshore # 35 in 7th place, both powered by Mercury Optimax's.

As the hours went by, Team Drakkar could almost feel the victory closely followed by Team Tech Motor only 1 lap away, but the 10 lap penalty they received only 1 hour from the end of the race crushed all hopes for the top spot. Team Vauban Humanis grabbed 2nd place & Team Force Inshore's regularity finally paid off for 3rd spot.

All in all, an another exciting day for this 48th Edition of the Rouen race.

by FrenchPhil for TBPNews

[Editor note: FrenchPhil is a 48 year old Franco-Canadian IT Product Manager & race boat aficionado living in Paris, France.]

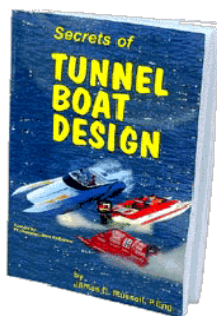
see more at: mercuryracing.com

[Note: Do you have any of your own questions on performance hull design? Send your question or story to Jimboat@aeromarineresearch.com]

See more Performance Articles at: aeromarineresearch.com/articles.html **

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6) FREE "Secrets of Tunnel Boat Design" book with TBDP/VBDP V7.13 software!



FREE 13th edition "Secrets of Tunnel Boat Design" book with purchase of NEW TBDP/VBDP software -only until May 30 2011

TBDP/VBDP© - BIG NEW FEATURES...YOU ASKED FOR IT...NOW TBDP© HAS IT!....

- *** Full Vee Hull and Vee-Pad hull performance analysis - one-button click that changes inputs to simulate a vee bottom hull.
- *** New aerodynamic algorithms.
- *** Porpoise Analysis - We have developed a new analysis tool! XPorpoise is an engineering tool developed by AR that predicts your hull's inherent susceptibility to porpoising...and shows how to fix it!
- *** User Picture import - right onto your TBDP© data input screen!
- *** OEM Motor database, with over 960+ OEM engine specs!

*** Centerpod Wangle input - now you have the ability to represent a special angle of attack (trim angle) of the hull CenterPod that is different than the angle of the Sponsons.



*** NEW USER picture import feature.

*** New CG import feature.

*** Dozens of NEW features - including VEE HULL DESIGN software INCLUDED.

*** NEW (June 2010) - Now can select Inside Spray Rails or Outer Spray Rails or BOTH. NOW input measured Static CG of boat hull if desired (otherwise TBDP© will calculate for you).

*** NEW (March 2010) - 'Rate-of-Change' performance analysis!

*** Free Expert Analysis Reports (4) included shows how you can apply expertise to your

design/setup.

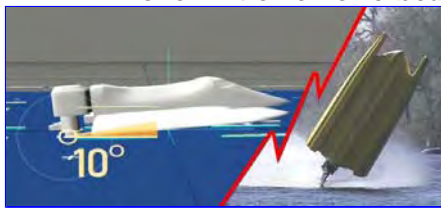
...AND Lots more new great Features in V7.13 TBDP© software!

...check out the new TBDP© software V7.13 at: aeromarineresearch.com

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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...

Details at: (channel.nationalgeographic.com)

check out more at AR's website! aeromarineresearch.com/NatGeo_thrill-zone.html

*** **"Powerboat SuperLeague"** Series - Check out show schedule at AmericaOne.com

*** **"IHBA Lucas Oil Drag Boat Racing"** Series on SPEED TV - Check next show at speedtv.com

*** **"War On Water" TV Show** on The Water Channel - Check it out at: www.waterchannel.com;

*** **"Boats on TV"** - See at: www.boatson.tv

*** **"American Powerboat Television"** on The Water Channel - See: americanpowerboat.tv

*** **"Honda Formula 4-Stroke Powerboat Series"** - Check it out at: www.f4sa.co.uk

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8) Jimboat's Feature Articles



NEW Jimboat Article Announcement! - Author Jim Russell writes in RIB magazine!

Jimboat explains 'Gearcase & Propeller BlowOut' (RIB magazine April 2011 issue)

Jimboat explains 'How Trim Angle and engine height affects performance' (RIB magazine Jan 2011 issue)

Jimboat explains 'Chine Walking' (RIB magazine Dec 2010 issue)

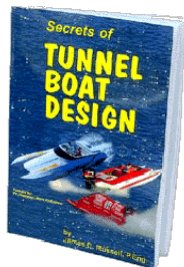
- [Tunnel Vision - 'How Do Tunnel Boats Fly?' - HB Nov/Dec 2008](#)
- ['Why Do Boats Create Rooster Tails?' - HB-August 2008](#)
- ['What a Blow Out!' - "Gearcase & Propeller Blowout- Why it Happens & How to Fix it" - HB-June 2008](#)
- ['Walk on the Wild Side' - "Chine Walk - Why it happens & How to Fix it" - HB-Jan 2008](#)
- ['Hump Zone' - "Why does your Boat Porpoise?" - HB-April 2007](#)
- ['The Bottom Line'-"Why does a Pad make a Vee Hull faster?" - F&PB-Sept 2005](#)
- ["10 Smokin' Speed Secrets Revealed..." - HB-Feb2005](#)
- ["Winterizing your Performance Outboard" - F&PB-Jan2005](#)
- ["What a Drag" - 'Trim Angle & Engine Height Can Reduce Drag and Increase Speed' - HB-Sept2004](#)
- ["10 Safety Tips" - 'Ten Safety Ideas for High Performance Go-Fast Boats' - HB-Aug2004](#)
- ["Flight Path" - 'Where does Lift Come From?' - HB-April2004](#)
- ["Rocket Science" - 'How To Increase Your Hull's Design Speed With Aerodynamics' - World of Powerboats-Winter2004](#)
- ["Tunnel Vision" - 'What Factors Influence Tunnel Hull Performance' - Extreme Boats-April2003](#)
- ["Step-by-Step" - 'Step Design in Powerboats' - TBPNews #88, October 2005](#)

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/Jimboat

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Get your full, illustrated, *13th edition* copy of the world acclaimed "[Secrets of Tunnel Boat Design](#)" book; "[History of Tunnel Boat Design](#)" book, "[Secrets of Propeller Design](#)" book, the "[Tunnel Boat Design](#)" software for tunnel and high-performance Vee-hull design, and "[PropWorks2](#)" software for speed prediction and propeller selection at the AeroMarine Research web site: <http://www.aeromarineresearch.com>