

MARINE TORQUE TALK

Spring 2014

What's happening on the water from ...

VOLVO PENTA

VOLVO OCEAN RACING 2014-2015

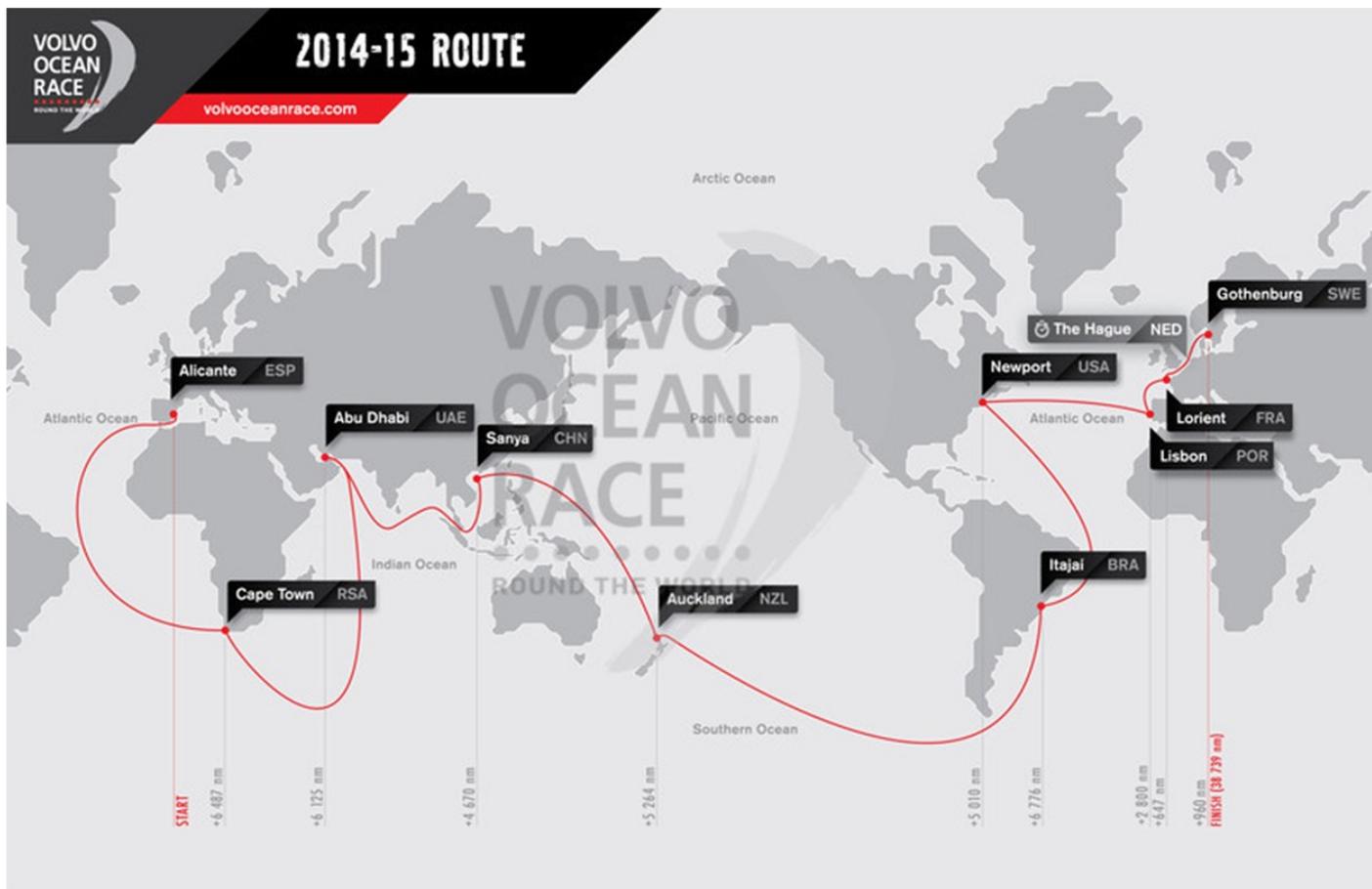


The Volvo Ocean Race 2014-15

The Race features nine Legs started in Alicante (Spain) in October 2014 with Stopovers in Cape Town (South Africa), Abu Dhabi (United Arab Emirates), Sanya (China), **Auckland (New Zealand)**, Itajai (Brazil), Newport (USA), Lisbon (Portugal) and Lorient (France) with a brief pitstop in The Hague (Netherlands) before the finish in Gothenburg (Sweden) on 27 June 2015.

It requires the teams to cover 38,739 nautical miles - equivalent to 44,580 miles or 71,745 kms.

Meet the teams and check out the One-Design Boat over the page.





The Volvo Ocean Race is an exceptional test of sailing prowess and human endeavour which has been built on the spirit of great seafarers - fearless men who sailed the world's oceans aboard square rigged clipper ships more than a century ago.

Their challenge back then was not a race as such, but recording the fastest time between ports. This meant new levels of pride for themselves and great recognition for their vessel.

The spirit that drove those commercial sailors along the web of trade routes, deep into the bleak latitudes of the Southern Ocean and around the world's most dangerous capes, emerges today in the form of the Volvo Ocean Race, a contest now seen as the pinnacle of achievement in the sport.

The first edition of this sporting adventure came in the wake of two remarkable sailors of the last century, Sir Francis Chichester and Sir Robin Knox-Johnston, men who drew worldwide acclaim for amazing solo voyages around the planet. Inevitably their success led to talk in international sailing circles of a race around the world for fully crewed yachts. It became a reality in 1973 with The Whitbread Round the World Race, the longest, most demanding and perilous sporting contest the world had known.

Dangerous it was. In that very first race three competing sailors were lost after being washed overboard during storms. This led to the inevitable call for that inaugural contest to be the last but the desire for unbridled adventure and great competition led to the race being staged every four years.

The re-badged Volvo Ocean Race was held for the first time in 2001-02. Today it is, quite simply, the Everest of sailing.

During the nine months of the Volvo Ocean Race, which starts in Alicante, Spain in October 2014 and concludes in Gothenburg, Sweden in June 2015, the teams will sail approximately 39,000 nautical miles of the world's most treacherous seas via Cape Town, Abu Dhabi, Sanya, Auckland, around Cape Horn to Itajaí, Newport, Lisbon, The Hague and Lorient.

Each of the entries has a sailing team of professional crew and the race requires their utmost skills, physical endurance and competitive spirit as they race day and night for more than 20 days at a time on some of the legs. They will each take on different jobs onboard the boat and on top of these sailing roles, there will be two sailors that have had medical training, as well as a sailmaker, an engineer and a dedicated onboard reporter.

During the Race the crews will experience life at the extreme: no fresh food is taken onboard so they live off freeze-dried fare, they will experience temperature variations from -5 to +40 degrees Celsius and will only take one change of clothes. They will trust their lives to the boat and the skipper and experience hunger and sleep deprivation.

The race is the ultimate mix of world class sporting competition and on-the-edge adventure, a unique blend of onshore glamour with offshore drama and endurance.

It is undeniably the world's premier global race and one of the most demanding team sporting events in the world.



After so many long months of preparation and planning, the action begins. Leg 1 of the Volvo Ocean Race started on Saturday 11 October (0100 Sunday NZDT) when the fleet of seven Volvo Ocean 65's headed out of Alicante to race over 6,847nm to Cape Town, South Africa.

Until the 2014-15 Volvo Ocean Race, the result was always settled by a combination of three factors:

- The race organisers would regulate the major speed-defining parameters, controlling things like length, weight, and the sails. Then the team's designers would try and produce the fastest possible boat complying with those rules.
- Next, the design team would give the plans to a boat builder and they would go to the ends of the earth to search for the best technology. Mission: to build it as light and strong as possible.
- Finally, the builders would give the boat to the athletes. They would focus their talent, endurance, strategy and technique into the sum total of the designers and builders efforts... and race it as hard and fast as it would go.

Unfortunately for the sailing crews, sometimes it wouldn't go very fast at all. They would often discover that either the design team, or the builders had dropped the ball somewhere along the line. They were stuck on a slow boat to China. And South America. And the USA. And... you get the idea.

This time it's different. The new Volvo Ocean 65 is what's called a one-design. It's built to a single, tightly controlled set of plans from the internationally regarded boffins at Farr Yacht Design. The teams don't need designers; the boat has been designed for them.

And all the boats come from the same group of four world-class boat builders – Green Marine, Decision, Persico and Multiplast. The teams don't need boat builders; the boat has been built for them.

One consequence of this is the cost reduction made possible by just one set of plans, and one team of builders. The boats are much more affordable than the previous generation. However, the only people really interested in this fact are the team's accountants.

Much more importantly, the 2014-15 Volvo Ocean Race will be won and lost by the athletes, out on the water. There will be no one else to blame, and the crews are embracing the fact that the buck will stop with them.

"If it hadn't been for the new one-design rule, then I probably wouldn't have done the Volvo Ocean Race again," said Abu Dhabi Ocean Racing's skipper, Ian Walker. "It's definitely going to be the tightest race in history – it has to be!"

The speed differences between the boats will be smaller than ever before, but the speed on the water will be just as fast as it ever was. Despite being five feet shorter, Team Brunel rolled out 540 Atlantic miles in 24 hours in their Volvo Ocean 65; compared to the 596.6-mile world record established by a Volvo Open 70 in 2008.

The Volvo Ocean 65: one-design, high-performance, tough, affordable, world-class – let the best athletes win.

To follow the Volvo Ocean Race you can find all the links at www.volvoceanrace.com

TEAMS

Team SCA



Dongfeng Race Team



Team Vestas Wind



Abu Dhabi Ocean Racing



Team Alvimedica



Team Brunei



MAPFRE



In 2014-15, Team SCA, an all-female crew will race against Volvo Ocean Race veterans and first-time rookies. There are 16 nationalities among the seven teams with sailors from Australia, Belgium, China, Denmark, France, Ireland, Italy, Lithuania, The Netherlands, New Zealand, Spain, Sweden, Switzerland, UAE, UK and USA.

These teams commenced battle on the water on October 4, 2014 – follow us as they embark on this great challenge!

What does a Volvo Ocean Race crew look like?

There are eight sailors plus one non-sailing multimedia reporter onboard the standard teams.

All-women teams can race with 11 sailors plus one non-sailing multimedia reporter.

Each team must race with two crew members born after 1st October 1984, the “Under 30s.”

And all boats have to qualify by sailing 2,000nm non-stop (3,700km).

Kiwis in the Race

There is no Team New Zealand entry this time but there are five Kiwis aboard the fleet in this edition of the Race. They are:

Daryl Wislang in Abu Dhabi Ocean Racing

Ryan Houston and **Dave Swete** in Team Alvimedica

Tony Rae and **Rob Salthouse** on Team Vestas Wind, skippered by Chris Nicholson (AUS). These three raced together in the last edition of the Race when Nicholson skippered Emirates Team New Zealand entry CAMPER, finishing second overall.

Abu Dhabi Ocean Racing



IAN WALKER
Skipper

Dongfeng Race Team



Charles Caudrelier
Skipper

MAPFRE



IKER MARTINEZ
Skipper

Team Alvimedica



CHARLIE ENWRIGHT
Skipper

Team Brunel



BOUWE BEKKING
Skipper

Team SCA



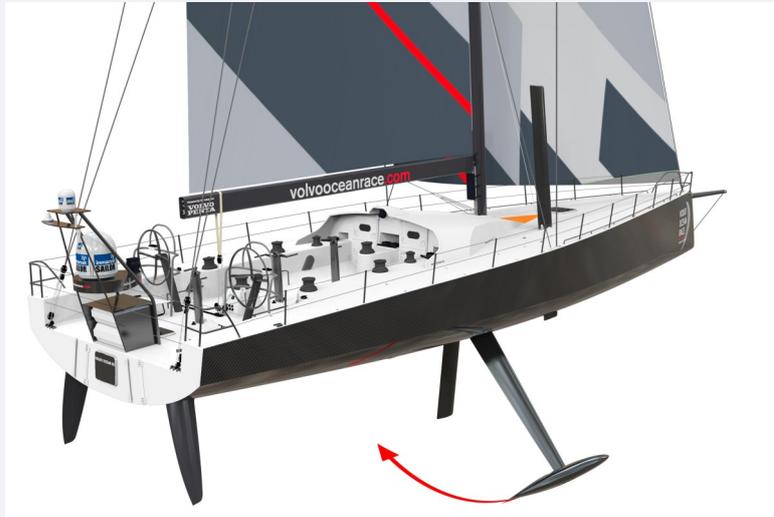
SAM DAVIES
Person in charge

Team Vestas Wind



CHRIS NICHOLSON
Skipper

The Design and Build Consortium



The new one-design boat for the next two editions of the Volvo Ocean Race is the brainchild of Farr Yacht Design in the United States, with a consortium of four boatyards taking care of the build process - Green Marine in the United Kingdom, Decision in Switzerland, Multiplast in France and Persico in Italy.

GREEN MARINE LTD

GREEN MARINE is an established performance boat builder in Lymington, UK, and has been building many of the world's best known racing and cruising yachts for 28 years, including Volvo Ocean Race contenders, America's Cup challengers and cutting-edge cruising superyachts. GREEN MARINE, part of the Vitters Shipyard group, has earned a worldwide reputation as a leading specialist in advanced carbon fibre moulding techniques.

DECISION S.A.

The people at DECISION are specialists in the use of composite materials in construction. Since 1984, DECISION has been active in the boatbuilding industry and from 2000 to 2009, the company built the boats used by Team Alinghi, including America's Cup winners in 2003 and 2007. The Switzerland-based DECISION has wide experience in other areas of construction, the space industry, aviation and telecommunications.

MULTIPLAST

MULTIPLAST are pioneers in composite boatbuilding with an outstanding 30-year track record in the world of offshore racing (Route du Rhum, Jules Verne Trophy, Atlantic record). The combination, within the same company, of an office of naval architecture and manufacturing workshops for composite parts is unique and provides a comprehensive professional approach. For the last edition of the Volvo Ocean Race, MULTIPLAST built the winning Volvo Open 70 Groupama 4.

PERSICO S.P.A

PERSICO is one of the world's most experienced and versatile mould-engineering specialist companies with automotive, rotomoulding, engineering, marine and aerospace/aeronautics divisions located in an area of 60,000 square meters in Bergamo, Italy. PERSICO has been involved in projects including Moro di Venezia 1992 (bulb and keel), RC44 in 2004 (hull-deck-helm mould), Luna Rossa 2007 and Luna Rossa 2012, Abu Dhabi Ocean Racing 2011 and Artemis Racing's wings (plugs & moulds) 2011-12.

FARR YACHT DESIGN

FARR YACHT DESIGN has a long-running record of achievement dating back more than 25 years, including 40 World Championships won in Farr designs and a multitude of design successes at internationally prestigious grand prix yachting events such as the Volvo Ocean Race, America's Cup, Vendée Globe, Sydney-Hobart, Barcelona World Race, Transat Jacques Vabre, Copa del Rey and many others. Founded by Bruce Farr and Russell Bowler in 1981 as Bruce Farr & Associates, the present-day FARR YACHT DESIGN has grown to a design team comprised of 18 members providing an enormous range of talent and skills.



Together, we can engineer the fuel filter
change that changes everything.

It's a SNAPP.™

At just 4" x 8", SNAPP is big protection for small gasoline engines with flow rates up to 26 gph. At the heart of SNAPP is Racor's legendary Aquabloc® filter media, powerful injector protection that is 99% effective in removing water and trapping microscopic solid contamination. Service and re-priming are tool-less, fast, easy and clean. Now, world-class outboard engine protection is literally a SNAPP.

Get the full story online at parker-racor.com/snappmarine

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



ENGINEERING YOUR SUCCESS.

www.parker.com/racor 1 209 521 7860
racor@parker.com

Giverny, a 30 ft Vindex, previously had a AQAD41-B 200HP engine that had done 4000 hours and gave a top end speed of 19 knots.

The owner opted for the D4-260 over the D4-300 as the gear ratio was better suited to his purpose – live baiting for Marlin.

The boat now reaches 26 knots and the optimal cruise speed is 21.6 using 1.9l/nm.

The owner bases his boat at Whangaroa for the game season pursuing game fish with an ever changing crew of friends and family.

His crew can now look forward to the coming game season in a well proven boat that now runs faster, cleaner and quieter.



D4-260

Aaron Stenbeck
Matakana Marine & Engineering
50A Matakana Valley Road
Matakana
Tel: 09 422 7822
Fax: 09 422 7824

Engine
Volvo Penta D4-260 / DPH stern drive
260hp @ 3500rpm
3.7lt, Inline 4 cylinder

Parker Racor Fuel Filter



Together, we can
protect your investment in engines and fuel, maximize fuel economy, performance and maintain a clean environment.

Parker Racor fuel filters are built with patented Aquabloc elements to obtain maximum efficiency, high dirt holding capacity and are used by many engine manufacturers worldwide for their reliability.

Racor Turbine Series is the most complete, most efficient, most reliable high-capacity engine protection you can install.

VOLPOWER WELCOMES KERRY AND DANNY



Danny Um (shown on left) and Kerry Johnson (shown on right)

New National Service Manager – Kerry Johnson

Kerry has been with Volpower since the second week in May so it has been a busy time learning about Volvo Penta products and customers. His background is primarily electrical being trained as an Avionics Engineer for Air New Zealand and then fifteen years doing industrial electrical and automation before entering the Marine industry. For eight years he was the Engineering Manager for a custom boat builder primarily looking after electrical, electronics and engineering systems.

New Technical Support Engineer – Danny Um

Danny only started with Volpower the last week of June and has a Mechanical Engineering Degree and 2 years working with Delphi in South Korea on Diesel Fuel injection system development. He started just in time to attend the EVC E and corrosion system training courses in July and is doing a great job handing customer technical issues and support at our Auckland office.



0800 VOLPOWER

“ SONIHULL ”

Does it work

“ Silverado “

48 foot Riviera - Planning hull vessel

Keri Keri Marina

Doves Bay - Northland

1 x Soni Duo system

Supplied and installed by JB Marine Ltd, Opuia



The vessel is berthed at the marine complex at Doves Bay Northland.

With the Bay, having brackish water the vessels moored in the marina suffer a high rate of marine growth.

These pictures are of the vessel as it emerged from the water on the 3rd of June 2014 after 11 months.



Prior to installing the Sonihull, the vessel would lose performance and fuel consumption would increase due to the growth rate, resulting in the vessel having to be washed regularly.

The owner is very pleased with how the Sonihull product has performed. The savings he is getting, no regular washing and no increased fuel costs, has paid for the unit many times over.



When seeing the condition of the hull, picture 1, the owner mentioned to the lift operator that it was probably wasting their time washing it as it looked so clean.

Picture 2 shows the keel, shaft exit, water pick up & transducers still clean, albeit the odd lone barnacle present.

Picture 3 shows the bow section, thruster propeller, clean blades. The only presence of barnacles is on the drive and on the end of the prop hub.

SONIHULL

Ultrasonic Antifouling System

Keeps your hull cleaner,
all year round

Banish the Barnacle
with *Sonihull!*

Easy to install
No hull penetration required

SONIHULL KEEPS YOUR HULL CLEAN

- Uses ultrasonic energy pulses to make surfaces less attractive to barnacles and algae.
- Helps prevent marine growth on hulls, pipe work and sea chests.
- Less marine growth means less hull friction, which means better fuel economy.
- Used in commercial and pleasure craft.

ENVIRONMENTALLY FRIENDLY

Tests demonstrate that electronic antifouling products have no adverse effect to fish. The 'SONIHULL' Ultrasonic signal stays very close to the hull structure and does not stray into open water.



Very easy to install
Kits available for cats and monohulls

0800 VOLPOWER

www.volpower.co.nz

AUCKLAND ON WATER BOAT SHOW 2014



The Auckland On Water Boat Show was held at the Viaduct Harbour, Auckland, from 25th to 28th September 2014. It is the 16th annual running of the Auckland On Water Boat Show (formerly the Auckland International Boat Show).

The 2014 show completely sold out of exhibitor space, with Volpower NZ Limited being one of the nearly 200 exhibitors.



2 + 3 YEAR WARRANTY ON ALL NEW VOLVO PENTA MARINE ENGINES

*Conditional on annual service by authorized Volvo Penta dealers.

VOLVO PENTA MARINE DEALER LIST

NEW ZEALAND:

OPUA: Lowes Marine. Paihia Ph 09-402-8375

WHANGAREI: Ray Roberts Marine. Whangarei Ph 09-438-3296

MATAKANA: Matakana Marine & Engineering Ltd. Matakana Ph 09-422-7822

WHANGAPARAOA: Marine Solutions Gulf Harbour.
Whangaparaoa Ph 09-424-1260

AUCKLAND:

Ovlov Marine Ltd. Westhaven Ph 09-377-4285

Ovlov Marine - Pine Harbour Limited. Beachlands Ph 09-5365249

Allvo Marine & Engineering Ltd. Howick Ph 09-535-9189

Bensemman Boating Centre Ltd. Westpark Marina Ph 09-416 2190

WHITIANGA: Pacific Coast Marine & Diesel. Whitianga Ph 07-866-0551

BAY OF PLENTY/WAIKATO: Coastline Marine Limited.
Tauranga Ph 07-574-9613

TAUPO: Fleet Marine Limited. Taupo Ph 07-378-8514

NEW PLYMOUTH: West Coast Marine. New Plymouth Ph 06-759-0939

GISBORNE: Harbourview Marine Ltd. Gisborne Ph 06-868-8686

WANGANUI: Marine Services Wanganui Ltd. Wanganui Ph 06-345-6958

PORIRUA: KP Marine. Porirua Ph 04 233 6164

WELLINGTON: Strait Marine Parts & Services Limited.
Wellington Ph 04-568-8062

PICTON: Marine Engineering Ltd. Picton Ph 03-573-6477

PORT NELSON: Aimex Ltd. Port Nelson Ph 03-548-1439

KAIKOURA: Kaikoura Marine Services Ltd. Kaikoura Ph 03-319-5276

CHRISTCHURCH: Southern Viking Ltd. Christchurch Ph 03-348-8976

FIJI:

NADI: Yacht Help Fiji. Nadi Ph 679-675-0911-2

SOUND PROOFING

Pyrotek
noise control

Volpower distribute affordable Pyrotek Noise Control products through our dealer network to provide sound proofing solutions for marine and industrial applications. **To see samples contact your local Volvo Penta Dealer now, or go to www.volpower.co.nz**

WEBSITE INFO: Visit our website for new and used engines and trans, parts, accessories, servicing etc. www.volpower.co.nz

Published by Volpower N.Z. Limited, P.O. Box 58744, Botany, Auckland 2163. Phone: 09 274 4305 Fax: 09 274 4306 **0800 VOLPOWER**

Proud to be part of N.Z.'s most comprehensive marine dealer network.

Dealer Stamp

**VOLVO
PENTA**