

Sail-World.com News

America's Cup: Emirates Team NZ foiling on Waitemata Harbour - Images

9:07 AM Mon 3 Sep 2012 GMT



'1 - New Zealand sheets on her gennaker and starts to lift on her L-Foils' [Swan Images](#) [Click Here to view large photo](#)

Last Wednesday, after just her fourth day if sailing on the Hauraki Gulf, Emirates Team NZ were able to get their first AC72 sailing foil-borne on the Waitemata Harbour.

Sail-World has reviewed a sequence of 25 images which show the AC72 returning in a fresh breeze, rounding Rangitoto Light pursued by three chase boats.

She is sailing in a 15-20 breeze judging by the sea state outside Rangitoto Light. In the lee of Rangitoto Island, the seas are flat, as they clear the Island the seas remain flat, but of course the wind comes back up to its original strength.

The crew hoisted a furled gennaker as they passed Rangitoto Island

In the first attempt at foiling, New Zealand lifts her leeward hull briefly under jib alone, and with the windward foil apparently retracted. The boat is then stopped while some adjustments are carried out.

In later shots New Zealand is shown clearly foiling with the windward foil raised in compliance with America's Cup rules, which are designed to prevent the windward dagger board increasing righting moment. ([Click here](#) and see rule 47.3)

New Zealand then has her gennaker unfurled, and at the point the sail set she lifts clear of the

water on both foils, begins a high speed sail down the Waitemata Harbour, past North Head at its entrance, and then gybes off Devonport.

She was fully foil-borne for a distance of over 1.5nm, and the photographer reports that the AC72 was stable i.e. not dropping out of foiling mode. While distances are a little hard to calculate accurately, the times on the images show that the run began with the breaking out the gennaker. It was fully extended (but not set) in an image taken 4 secs later. New Zealand was foiling in an image taken 17 secs afterwards and remained foiling until the last shot was taken 5mins 11 secs later, according to the metadata on the images.

The achievement would appear to give Emirates Team NZ a significant jump on other the other teams, only one of which is currently sailing. (Oracle Team USA sailed late last week for just two hours before damaging her starboard foil.)



2 - New Zealand partially lifted on her L-Foils and sailing on the Waitemata Harbour, Auckland, New Zealand. - [Swan Images](#) [Click Here to view large photo](#)



3 - AC72 - New Zealand fully lifted on her L-Foils and sailing on the Waitemata Harbour, Auckland, New Zealand. - [Swan Images](#) [Click Here to view large photo](#)



4 - AC72 - New Zealand fully lifted on her L-Foils and sailing on the Waitemata Harbour, Auckland, New Zealand. - [Swan Images](#) [Click Here to view large photo](#)



5 - AC72 - New Zealand fully lifted on her L-Foils and sailing on the Waitemata Harbour, Auckland, New Zealand. The windward L-foil is shown clear of the water in compliance with AC racing rules. - [Swan Images](#) [Click Here to view large photo](#)

by Richard Gladwell



[Print This Page](#)

Related News Stories:

- 18 Oct 2012 [America's Cup: Oracle Team USA damage revealed - images](#)
- 18 Oct 2012 [America's Cup: Images of Oracle's AC72 being hauled from the water](#)
- 18 Oct 2012 [America's Cup: Oracle Team USA returns home - latest images](#)

- 17 Oct 2012 [America's Cup: Oracle Team USA capsizes AC72 in San Francisco - Latest](#)
- 17 Oct 2012 [America's Cup: Meanwhile aboard Emirates Team NZ - Images and Video](#)
- 17 Oct 2012 [America's Cup: Oracle Team USA images after the capsize](#)
- 17 Oct 2012 [America's Cup: More images from aboard Emirates Team NZ](#)
- 17 Oct 2012 [America's Cup: Oracle Team USA Before and After the Capsize](#)
- 17 Oct 2012 [America's Cup: Oracle Team USA capsize - full video](#)
- 17 Oct 2012 [America's Cup: Oracle Team USA capsize - how it happened in images](#)

Sail-World.com is the largest sailing website in the southern hemisphere.

It provides detailed news on races and regattas in Australia and around the world..

You can subscribe online to receive Olympic, Paralympic and regular Sail-World newsletters in text or html (graphical) versions.

This site and its contents are © Copyright sail-world.com. All Rights Reserved.

Contact us at media@sail-world.com, ph: +61 2 4977 2116, fax: +61 2 4977 2528