

Stabilizer Customer Report

More speed, more comfort and greater fuel savings with WESMAR Stabilizers says Brazilian Captain

Before the WESMARs, the boat could travel at 20 knots in calm seas and 17.2 knots in beam seas. Now she makes 22.1 knots in calm seas and 21.5 in beam seas.

Andre Luiz, Captain of the M/Y Saphir 70, says the WESMAR Roll Fin Stabilizers on board the 70-foot aluminum Brazilian luxury yacht definitely provide more comfort. But he does not stop there. He says she now handles better, is safer, more fuel efficient and faster.

The WESMAR RS900 Roll Fin Stabilizers have proved to be an extremely valuable addition to this luxury vessel. Captain Luiz and naval architect Abe Rosemberg both report the improvements with the WESMAR stabilizer systems are significant.

"The owners were interested in stabilizers because of the excessive lateral movement (roll), which made it very uncomfortable to cruise, even in calm seas. In heavy seas, safe cruising had been almost impossible, said Captain Luiz."

Abe Rosemberg, a Naval Architect who had experience with Wesmar equipment handled the sale and installation of the stabilizers on the privately owned Brazilian based vessel.

"The boat has a deep V and low draft (around 1.2 meters) loaded. The original design required fixed lateral keels (for movement dumping) but the design was altered during construction by the former owner and from the series of 3 boats built the Saphir was the



WESMAR stabilizers brought more comfort, speed and better gas mileage to the 70 foot aluminum M/Y Saphir says Captain André Luiz shown below with Carlo Voli of WESMAR.

only one without lateral keels. We considered going back to the original design and installing the keels but talking with the captains of the sister boats, we came to the conclusion that those boats were only more stable with the tanks filled to 11,000 liters of diesel. Upon consumption, the low stability problem and roll movement was back. Then we concluded that the best solution would be dynamic stabilizers," said Rosemberg.

"There has been a great fuel saving. Without the WESMAR Stabilizers the roll movement was so excessive that we experienced cavitation in the propellers, lowering efficiency and increasing fuel consumption enormously. Now with the Stabilizers on, the Roll Move-



ment is not perceptible, comfort on board came to a level never seen before and the navigation is safe and efficient," said Captain Luiz. He goes on to report:

"Even at anchor and the stabilizers off, they have a great effect on bringing comfort to the people on board. We can cook with calm, without having the kitchen

(continued on back)



utensils rolling to one side and the other as boats pass by.

"As a general view, we have life before and after the stabilizers. The safety aspect is essential for all who go to sea. In a pleasure craft, comfort is also paramount. Nobody wants to travel in a boat without comfort and safety.

"Today, even in bad sea conditions, comfort on board is quite good. Beam Seas were very tough to handle in the past. Now the situation is quite different. Before the sea trials with the stabilizers on, we expected a speed reduction of 1 to 1.5 knots. To our surprise the

effect was totally the reverse. The boat is faster now.

"In the past, in calm seas the boat could travel at 20 knots and 17.2 knots at beam seas. Now she makes 22.1 knots in calm seas and 21.5 in beam seas.

"The Wesmar stabilizers are a great product and we are now very comfortable in the place we love to be, AT SEA."

Captain Luiz told of one incident, when the WESMAR Stabilizers saved the day.

The end of December 2006 they had a mechanical problem with the starboard engine and were forced

to abort their end-of-year trip. He said they returned to Guaruja from Punta Negra, and Captain Luiz reported "we had a very nice return navigation thanks to the stabilizers. I did some tests with and without them running, and it was really impossible to navigate without them on."

"The owner is really satisfied with his purchase of the WESMAR stabilizers and they outperformed my doubts as to their function. I am truly very happy with them," said Captain Luiz.

