

U.S. Department of  
Homeland Security

United States  
Coast Guard



Commanding Officer  
United States Coast Guard  
Marine Safety Center

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### STABILITY LETTER

16710/P011727  
Serial: H1-0600406  
February 15, 2006

Master, ECO ISLENO, O.N. 1024902  
Gold Cost Yachts Hull No. GCWP15m  
45' x 16' x 4' Wave Piercing Small Passenger Catamaran (T)

You are responsible for maintaining this vessel in a satisfactory stability condition at all times and for following the instructions and precautions listed below.

A deadweight survey, witnessed by the U. S. Coast Guard, was conducted on the ECO ISLENO, O.N. 1024902, at Kingshill, St. Croix, USVI, on August 18, 1994. On the basis of that test, a conservatively estimated light ship vertical center of gravity, the incorporation of bridge deck structural modifications, and the replacement of both engines, stability calculations have been performed. Results indicate that the stability of the ECO ISLENO, as presently outfitted and equipped, is satisfactory for operation on Exposed Waters provided that the following restrictions are observed.

### OPERATING RESTRICTIONS

1. **ROUTE**: Operation on Exposed Waters is permitted. Since the route is based upon other considerations in addition to stability, you are cautioned that the route may be further limited to that specified on the Certificate of Inspection.
2. **PERSONNEL**: A maximum of 32 persons may be carried, of which 30 may be passengers. Since the personnel capacity is based upon other considerations in addition to stability, you are cautioned that the number of persons carried may be further limited to that specified on the Certificate of Inspection.
3. **FREEBOARD**: A minimum freeboard of 2 feet 5-1/2 inches, measured from the deck at amidships, shall be maintained. Trim should be minimized.
4. **TANKS**: Any cross-connections between port and starboard tank pairs shall be closed at all times when underway.
5. **WATERTIGHT DOORS AND BULKHEADS**: No watertight hatches shall be removed while underway. No watertight bulkheads shall be removed or altered without the authorization and supervision of the cognizant Officer in Charge, Marine Inspection (OCMI).
6. **HULL OPENINGS**: Any openings that could allow water to enter the hull should be kept closed when rough weather or sea conditions exist or are anticipated.

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7. **WEIGHT CHANGES:** This stability letter has been issued based upon the following lightship parameters:

Displacement	<u>5.59</u>	Long Tons
VCG (Conservative Estimate)	5.73	Feet Above the Keel
LCG	29.33	Feet Aft of Fwd Perpendicular

Any alteration resulting in a change in these parameters will invalidate this stability letter. No fixed ballast or other such weights shall be added, removed, altered and/or relocated without the authorization and supervision of the cognizant OCMI. This vessel is not fitted with permanent ballast.

8. **BILGES:** The vessel's bilges and voids shall be kept pumped to minimum content at all times consistent with pollution prevention requirements.

9. **FREEING PORTS:** Deck freeing ports shall be maintained operable and completely unobstructed at all times.

10. **LIST:** You should make every effort to determine the cause of any list of the vessel before taking corrective action.

This stability letter shall be posted under glass or other suitable transparent material onboard the vessel so that all pages are visible. It supersedes any stability information previously issued to the vessel.



D. V. VENNE  
Lieutenant Commander, U. S. Coast Guard  
By direction

OPTIONAL FORM 99 (7-90)

**FAX TRANSMITTAL**

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NSN 7540-01-317-7368 5099-101

GENERAL SERVICES ADMINISTRATION

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