

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/P012990
Serial: H1-0900843
March 19, 2009

Master, STRETCH DUCK 07, CG248292
AVM Hull 353-11427
33' (LOA) x 8' x 4' Amphibious Small Passenger Vessel (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 stability test, witnessed by the U.S. Coast Guard, was conducted on STRETCH DUCK 01, CG441083, a sister to the subject vessel, in Branson, MO on February 20, 2007. On the basis of that test, stability calculations have been performed. Results of these calculations indicate that the stability of STRETCH DUCK 07, as presently outfitted and equipped, is satisfactory for operation on Protected Waters provided that the following restrictions are observed.

OPERATING RESTRICTIONS

1. ROUTE: Operation on Protected 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 40 persons may be carried, of which 38 may be passengers. The personnel capacity is based on an assumed passenger weight of 185 pounds. 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. SPEED AND WAVE HEIGHT: This vessel is limited to a maximum speed of 6.9 knots and an operating environment with a maximum significant wave height of 2.5 feet.
4. FREEBOARD AND DRAFT:
 - a. Freeboards of at least 2 feet 1/2 inches, as measured at the stern to the top of the bulwark, and 2 feet 4-7/8 inches, as measured to the top of the bulwark at a point 7 feet 6 inches aft of the bow, shall be maintained. This corresponds to a maximum draft at the stern of 5 feet 2-3/8 inches. Trim shall be minimized.
 - b. Navigation and Vessel Inspection Circular 1-01, "Inspection of Amphibious Passenger Carrying Vehicles," requires that all DUKW operators provide a permanent loading mark at the stern of their vessel to indicate the minimum freeboard at the maximum load. The freeboard to this mark should be no less than 2 feet 1/2 inches.

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

Displacement	8.00	Long Tons
VCG	3.31	Feet Above Baseline
LCG	15.94	Feet Forward of the Stern

The baseline is located at the bottom of the vessel's tires. 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.

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

7. 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.



Commander, U.S. Coast Guard
By direction