§ 157.45 Valves in cargo or ballast piping system.

When a tank vessel is at sea and the tanks contain oil, valves and closing devices in the cargo or ballast piping system or in the transfer system must be kept closed except they may be opened for cargo or ballast transfer to trim the vessel.

§ 157.47 Information for master.

A master or person in charge of a new vessel shall operate the vessel in accordance with the information required in 46 CFR 31.10–30(d) that includes the following:

(a) Stability information.
(b) Damage stability information determined in accordance with the criteria contained in appendix B of this part.
(c) Loading and distribution of cargo information determined in compliance with the damage stability criteria required in appendix B of this part.


§ 157.49 Instruction manual.

The master of a tank vessel shall ensure that the instruction manual under §157.23 is available and used when the cargo or ballast systems are operated.

Subpart D—Crude Oil Washing (COW) System on Tank Vessels

SOURCE: CGD 77–058b, 45 FR 43709, June 30, 1980, unless otherwise noted.

GENERAL


(a) Before each U.S. tank vessel having a COW system under §157.10(e), §157.10a(a)(2), or §157.10c(b)(2) is inspected under §157.140, the owner or operator of that vessel must submit to the Coast Guard plans that include—

(1) A drawing or diagram of the COW pumping and piping system that meets 46 CFR 56.01–10(d);

(2) The design of each COW machine;

(3) The arrangement, location, and installation of the COW machines; and

(4) Except as allowed in §157.104, the projected direct impingement pattern of crude oil from the nozzles of the COW machines on the surfaces of each tank, showing the surface areas not reached by direct impingement.

(b) Plans under paragraph (a) of this section must be submitted to the Officer in Charge, Marine Inspection, of the zone in which the COW system is installed or to the Commanding Officer, U.S. Coast Guard Marine Safety

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