

## § 35.40-35

the changeover shall be numbered or lettered on a brass plate or painted so that the markings can be recognized at a reasonable distance. The instructions shall indicate each clutch or pin to be "in" or "out" and each valve or switch which is to be "opened" or "closed" in shifting to any means of steering for which the vessel is equipped. Instructions shall be included to line up all steering wheels and rudder amidship before changing gears.

### § 35.40-35 Rudder orders—TB/ALL.

At all steering stations, there shall be installed a suitable notice on the wheel or device or in such other position as to be directly in the helmsman's line of vision, to indicate the direction in which the wheel or device must be turned for "right rudder" or "left rudder."

### § 35.40-40 Marking and instructions for fire and emergency equipment—TB/ALL.

Lifesaving appliances, instructions for passengers, and stowage locations for all tank vessels must be in accordance with subchapter W (Lifesaving Appliances and Arrangements) of this chapter.

[CGD 84-069, 61 FR 25287, May 20, 1996]

## PART 36—ELEVATED TEMPERATURE CARGOES

### Subpart 36.01—General

Sec.

36.01-1 Scope of regulations—TB/ALL.

36.01-5 Certificate of inspection—TB/ALL.

### Subpart 36.05—Cargo Tanks

36.05-1 Installation of cargo tanks—TB/ALL.

36.05-10 Protection of personnel—TB/ALL.

### Subpart 36.10—Piping, Valves, Fittings, and Accessory Equipment

36.10-1 Cargo pump relief valves—TB/ALL.

### Subpart 36.20—Vents and Ventilation

36.20-1 Flame screens—TB/ALL.

36.20-5 Ventilation of pumproom—TB/ALL.

### Subpart 36.30—Periodic Inspections

36.30-1 Lagged tanks—TB/ALL.

## 46 CFR Ch. I (10-1-02 Edition)

AUTHORITY: 46 U.S.C. 3306, 3703; E.O. 12234, 45 FR 58801, 3 CFR, 1980 Comp., p. 277; 49 CFR 1.46.

SOURCE: CGFR 65-50, 30 FR 16716, Dec. 30, 1965, unless otherwise noted.

### Subpart 36.01—General

#### § 36.01-1 Scope of regulations—TB/ALL.

(a) The regulations in this part contain requirements for the transportation in bulk of materials considered to be Grade E liquids when shipped in molten form at elevated temperatures.

(b) The materials covered by this part shall meet the applicable regulations of this subchapter, except that materials having a flash point of 300° F. or above, shall be exempt from the requirements prescribed in the following sections of this subchapter:

(1) Inspection prior to making repairs—§ 35.01-1(b).

(2) Watchman for a tank vessel—§ 35.05-15.

(3) Warning sign at gangway—§ 35.30-1(b).

(4) Cargo tank hatches, ullage holes and Butterworth plates—§ 35.30-10.

(5) Men on duty—§ 35.35-1.

(6) Inspection prior to transfer of cargo—§ 35.35-20.

(7) Approval to start transfer of cargo—§ 35.35-25.

(8) "Declaration of inspection" for tank ships—§ 35.35-30.

(9) Transportation of other cargo or stores on tank barges—§ 35.35-60.

(c) The regulations governing the transportation in the solid state of materials referred to in § 36.01-1(a) are contained in part 148 of subchapter N (Dangerous Cargoes) of this chapter.

[CGFR 65-50, 30 FR 16716, Dec. 30, 1965, as amended by CGD 97-057, 62 FR 51043, Sept. 30, 1997]

#### § 36.01-5 Certificate of inspection—TB/ALL.

(a) The certificate of inspection shall be endorsed for the carriage of elevated temperature cargoes as follows: "Inspected and approved for the carriage of Grade E combustible liquids when transported in molten form at elevated temperatures."

(b) [Reserved]

**Subpart 36.05—Cargo Tanks****§ 36.05-1 Installation of cargo tanks—TB/ALL.**

(a) All cargo tanks carrying liquids at elevated temperatures for the purpose of maintaining the material in the molten form shall be installed with the access openings located above the weather deck.

(b) [Reserved]

**§ 36.05-10 Protection of personnel—TB/ALL.**

(a) Decks, bulkheads, or other structures shall be insulated with an approved incombustible material, or other suitable means of protection shall be employed where practicable and necessary for the protection of personnel.

(b) [Reserved]

**Subpart 36.10—Piping, Valves, Fittings, and Accessory Equipment****§ 36.10-1 Cargo pump relief valves—TB/ALL.**

(a) Cargo pump relief valves and pressure gages may be omitted, however, a suitable device shall be fitted to stop the pumping before the designed pressure of the piping is exceeded.

(b) [Reserved]

**Subpart 36.20—Vents and Ventilation****§ 36.20-1 Flame screens—TB/ALL.**

(a) Flame screens may be omitted in the vent lines on cargo tanks.

(b) [Reserved]

**§ 36.20-5 Ventilation of pumproom—TB/ALL.**

(a) Where personnel are required to enter pumprooms located below the weather deck under normal circumstances of handling cargo, such pumprooms shall be equipped with power ventilation.

(b) [Reserved]

**Subpart 36.30—Periodic Inspections****§ 36.30-1 Lagged tanks—TB/ALL.**

(a) Lagged tanks shall have part of the lagging removed on the lower portion of the cargo tanks as directed by the marine inspector, at least once every eight years for external examination.

(b) [Reserved]

**PART 38—LIQUEFIED FLAMMABLE GASES****Subpart 38.01—General**

Sec.

38.01-1 Scope of regulations—TB/ALL.

38.01-2 Transportation of portable cylinders or portable tanks containing or having previously contained liquefied flammable gases in dry cargo spaces—TB/ALL.

38.01-3 Incorporation by reference.

38.01-5 Certificate of inspection—TB/ALL.

**Subpart 38.05—Design and Installation**

38.05-1 Design and construction of vessels—general—TB/ALL.

38.05-2 Design and construction of cargo tanks—general—TB/ALL.

38.05-3 Design and construction of pressure vessel type cargo tanks—TB/ALL.

38.05-4 Design and construction of nonpressure vessel type cargo tanks—TB/ALL.

38.05-5 Markings—TB/ALL.

38.05-10 Installation of cargo tanks—general—TB/ALL.

38.05-20 Insulation—TB/ALL.

38.05-25 Refrigerated systems—TB/ALL.

**Subpart 38.10—Piping, Valves, Fittings, and Accessory Equipment**

38.10-1 Valves, fittings, and accessories—TB/ALL.

38.10-5 Filling and discharge pipes—TB/ALL.

38.10-10 Cargo piping—TB/ALL.

38.10-15 Safety relief valves—TB/ALL.

38.10-20 Liquid level gaging devices—TB/ALL.

**Subpart 38.15—Special Requirements**

38.15-1 Filling of tanks—TB/ALL.

38.15-5 Cargo hose—TB/ALL.

38.15-10 Leak detection systems—T/ALL.

38.15-15 Electrical installations—TB/ALL.

38.15-20 Remote shutdowns—TB/ALL.

**Subpart 38.20—Venting and Ventilation**

38.20-1 Venting—T/ALL.