Coast Guard, DHS § 107.235

§ 107.235 Servicing of hand portable fire extinguishers, semi-portable fire extinguishers and fixed fire-extinguishing systems.

(a) Each hand portable fire extinguisher and each semi-portable fire extinguisher on board the unit must be serviced as set out in Table 107.235 and examined for excessive corrosion and general condition.

<table>
<thead>
<tr>
<th>Type extinguisher</th>
<th>Test and servicing required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soda Acid</td>
<td>Discharge, clean hose and inside of extinguisher thoroughly. Recharge.</td>
</tr>
<tr>
<td>Foam</td>
<td>Discharge, clean hose and inside of extinguisher thoroughly. Recharge.</td>
</tr>
<tr>
<td>Pump Tank (water or antifreeze)</td>
<td>Discharge, clean hose and inside of extinguisher thoroughly. Recharge with clean water or antifreeze.</td>
</tr>
</tbody>
</table>
(b) Each fixed fire-extinguishing system must be examined for excessive corrosion and general condition and be serviced by—

(1) Recharging the cylinders of each carbon dioxide system, if the weight loss is more than 10% of the weight of the charge;

(2) Testing each foam system, except premix systems by—

   (i) Discharging foam for approximately 15 seconds from a nozzle designated by the marine inspector;

   (ii) Discharging water from all other lines and nozzles; and

   (iii) Taking a sample of the foam liquid and submitting it to the manufacturer or his authorized representative for determination of its specific gravity, PH, percentage of water dilution, and solid content, and certification as a suitable firefighting foam;

(3) Removing the pressure cartridge of each premix aqueous film forming foam system and replacing the cartridge if the seal is punctured, sampling the premix solution in accordance with the manufacturer’s instructions, and replacing cylinders that are discharged.

Note: All carbon dioxide cylinders and discharge hoses of semi-portable carbon dioxide and halon extinguishers must be tested and marked in accordance with §§147.60 and 147.65 of this chapter.


§ 107.251 Testing of the fire main.

Each fire main system must be opened and the pressure checked at—

(a) The most remote outlet; and

(b) The highest outlet.

§ 107.257 Testing of fire hose.

Each fire hose must be subjected to a test pressure equivalent to the maximum pressure to which it may be subjected during operation. However, each fire hose must be subjected to a pressure of at least 100 p.s.i.

§ 107.258 Crane certification.

(a) The Coast Guard may accept current certificates issued by approved organizations as evidence of condition and suitability of cranes. The following organizations are approved by the Coast Guard as crane certifying authorities:

(1) American Bureau of Shipping, ABS Plaza, 18855 Northchase Drive, Houston, TX 77060.


(b) Crane certification must be based upon—

(1) A review of plans submitted under §107.309; and

(2) The continuing program of tests and inspections in §107.259.

(c) Each load test and inspection by the certifying authority must be recorded in the unit’s Crane Record Book required in §109.437.


§ 107.259 Crane inspection and testing.

(a) Each crane must be inspected and tested in accordance with Section 3 of