§ 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.

(b) Each fixed fire extinguishing system must be examined for excessive corrosion and general condition and checked and serviced as indicated, depending on the extinguishing agent used by the system.

(1) Carbon dioxide: Weigh cylinders. Recharge cylinder if weight loss exceeds 10 percent of the weight of the charge. Test time delays, alarms, and ventilation shutdowns with carbon dioxide, nitrogen, or other nonflammable gas as stated in the system manufacturer’s instruction manual. Inspect hoses for damage or decay. Ensure that nozzles are unobstructed. Cylinders must be tested and marked, and all flexible connections on fixed carbon dioxide systems must be tested or renewed, as required by 46 CFR 147.60 and 147.65.

(2) Halon 1301 or Halocarbon: Recharge or replace if weight loss exceeds 5 percent of the weight of the charge or if cylinder has a pressure gauge, recharge cylinder if pressure loss exceeds 10 percent, adjusted for temperature. Test time delays, alarms, and ventilation shutdowns with carbon dioxide, nitrogen, or other nonflammable gas as stated in the system manufacturer’s instruction manual. Inspect hoses for damage or decay. Ensure that nozzles are unobstructed. Cylinders must be tested and marked, and all flexible connections must be tested or renewed as required by 46 CFR 147.60 and 147.66.

(3) Inert gas: Recharge or replace cylinder if cylinder pressure loss exceeds 5 percent of specified gauge pressure, adjusted for temperature. Test time delays, alarms, and ventilation shutdowns with carbon dioxide, nitrogen, or other nonflammable gas as stated in the system manufacturer’s instruction manual. Inspect hoses for damage or decay. Ensure that nozzles are unobstructed. Cylinders must be tested and marked, and all flexible connections must be tested or renewed as required by 46 CFR 147.60 and 147.66.

(4) Foam, except premix systems: Discharge foam for approximately 15 seconds from a nozzle designated by the marine inspector. Discharge water from all other lines and nozzles. Submit a sample of the foam liquid to the manufacturer or its authorized representative for determination of specific gravity, pH, percentage of water.
§ 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, 16855 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 the American Petroleum Institute (A.P.I.) Recommended Practice for Operation and Maintenance of Offshore Cranes, API RP 2D, First Edition (October 1972) with supplement 1, except that the rated load test must be performed in accordance with §107.260.

(b) The tests are witnessed and the inspections are conducted by—

(1) A Coast Guard marine inspector; or
(2) The American Bureau of Shipping (A.B.S.), or the International Cargo Gear Bureau, Inc. (I.C.G.B.) for cranes under certification by these organizations.

(c) If the tests and inspections are conducted by the A.B.S. or the I.C.G.B., the surveyor shall certify that the tests and inspections were conducted in accordance with the A.P.I. specification; or modified by §107.260.

§ 107.260 Rated load test for cranes.

(a) To meet the requirements in §107.231(l), each crane must meet the following rated load test at both the maximum and minimum boom angles usually employed in material transfers over the side of the unit:

<table>
<thead>
<tr>
<th>Rated load of assembled gear</th>
<th>Proof load</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than or equal to 20 tons</td>
<td>25 pctl in excess.</td>
</tr>
<tr>
<td>Greater than 20 tons but less</td>
<td>5 tons in excess.</td>
</tr>
<tr>
<td>than or equal to 50 tons.</td>
<td></td>
</tr>
<tr>
<td>Greater than 50 tons</td>
<td>10 pctl in excess.</td>
</tr>
</tbody>
</table>

(b) The weight of the hook, hook blocks, slings, rib, and other rigging, except the hoist rope, must be considered part of the load for the rated load test.

(c) The rated load test must be performed—

(1) When the crane is installed;
(2) Each 60 months; and
(3) Each time the crane is added to or removed from service.