which the work is done, shall legibly be stenciled in a conspicuous place on the tested parts or placed on a card displayed under a transparent cover in the cab of the steam locomotive.

§ 230.76 Piston travel.

(a) Minimum piston travel. The minimum piston travel shall be sufficient to provide proper brake shoe clearance when the brakes are released.

(b) Maximum piston travel. The maximum piston travel when steam locomotive is standing shall be as follows:

<table>
<thead>
<tr>
<th>Type of wheel brake</th>
<th>Maximum piston travel (in inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cam Type Driving Wheel Brake</td>
<td>3 1⁄2</td>
</tr>
<tr>
<td>Other forms of Driving Wheel Brake</td>
<td>6</td>
</tr>
<tr>
<td>Engine Truck Brake</td>
<td>8</td>
</tr>
<tr>
<td>Tender Brake</td>
<td>9</td>
</tr>
</tbody>
</table>

§ 230.77 Foundation brake gear.

(a) Maintenance. Foundation brake gear shall be maintained in a safe and suitable condition for service. Levers, rods, brake beams, hangers, and pins shall be of ample strength, and shall not be fouled in any way which will affect the proper operation of the brake. All pins shall be properly secured in place with cotter pins, split keys, or nuts. Brake shoes must be properly applied and kept approximately in line with the tread of the wheel.

(b) Distance above the rails. No part of the foundation brake gear of the steam locomotive or tender shall be less than 2 1⁄2 inches above the rails.

§ 230.78 Leakage.

(a) Main reservoirs and related piping. Leakage from main reservoir and related piping shall be tested at every 92 service day inspection and shall not exceed an average of 3 psi per minute in a test of 3 minutes duration that is made after the pressure has been reduced to 60 percent of the maximum operating pressure.

(b) Brake cylinders. Leakage from brake cylinders shall be tested at every 92 service day inspection. With a full service application from maximum brake pipe pressure, and with communication to the brake cylinders closed, the brakes on the steam locomotive and tender must remain applied for a minimum of 5 minutes.

(c) Brake pipes. Steam locomotive brake pipe leakage shall be tested at the beginning of each day the locomotive is used, and shall not exceed 5 psi per minute.

§ 230.79 Train signal system.

Where utilized, the train signal system, or any other form of on-board communication, shall be tested and known to be in safe and suitable condition for service at the beginning of each day the locomotive is used.

CABS, WARNING SIGNALS, SANDERS AND LIGHTS

§ 230.80 Cabs.

(a) General provisions. Cabs shall be securely attached or braced and maintained in a safe and suitable condition for service. Cab windows of steam locomotives shall provide an undistorted view of the track and signals for the crew from their normal position in the cab. Cab floors shall be kept free of tripping or slipping hazards. The cab climate shall be maintained to provide an environment that does not unreasonably interfere with the engine crew’s performance of their duties under ordinary conditions of service.

(b) Steam pipes. Steam pipes shall not be fastened to the cab. New construction or renewals made of iron or steel pipe greater than 1⁄8 inch NPS that are subject to boiler pressure in cabs shall have a minimum wall thickness equivalent to schedule 80 pipe, with properly rated valves and fittings. Live steam heating radiators must not be fastened to the cab. Exhaust steam radiators may be fastened to the cab.

(c) Oil-burning steam locomotives. If the cab is enclosed, oil burning steam locomotives that take air for combustion through the fire-door opening shall have a suitable conduit extending from the fire-door to the outside of the cab.

§ 230.81 Cab aprons.

(a) General provisions. Cab aprons shall be of proper length and width to ensure safety. Cab aprons shall be securely hinged, maintained in a safe and suitable condition for service, and roughened, or other provision made, to afford secure footing.