

Date: September 23, 2016

From: Midland Manufacturing

**REASON FOR BULLETIN:** On December 2, 2015, the Chlorine Institute, with support from member organizations, issued a request to PHMSA to re-consider the use of screw plugs on tell-tale valves used with chlorine tank car pressure relief devices (PRDs).

On July 25, 2016, PHMSA issued a final ruling in the letter of interpretation 14-0229 (re: HMR 49 CFR Parts 171-180). The ruling confirms that tell-tale valve designs with threaded outlets used for chlorine tank car pressure relief devices must include screw plugs.

**MIDLAND RESPONSE:** Effective February 16, 2016, Midland began manufacturing all chlorine tank car PRDs with tell-tale purge valves that do not include a threaded outlet.

The Midland purge valve #17-240-ML complies with the PHMSA ruling, and ensures that PRDs can be capped with Chlorine C-Kit #24A hood and Midland ERK #4 hood without manipulating the alignment of the tell-tale valve.

**SCOPE:** The following options apply to Midland Series A-14227, A-14377 and A-14378 PRD valves used for chlorine tank cars.

**OPTIONS TO ENSURE COMPLIANCE FOR TANK CARS USING TELL-TALE VALVES WITH THREADED OUTLETS:**

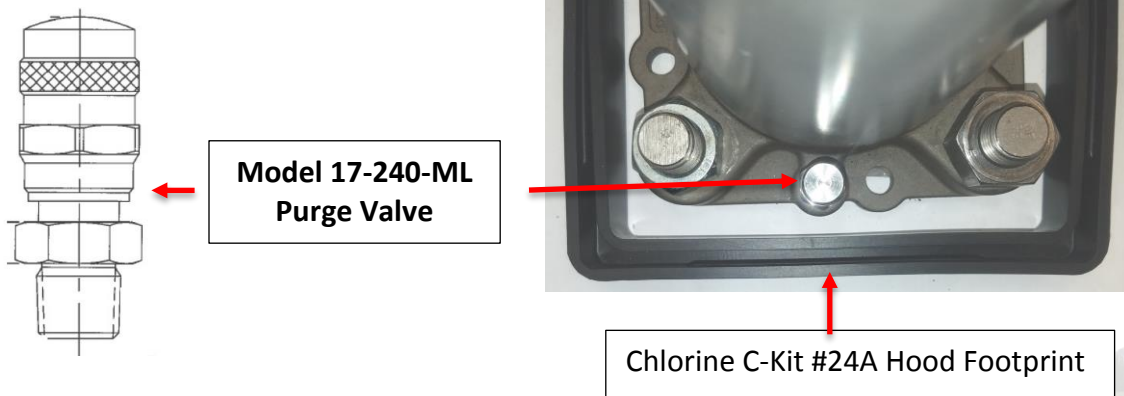
**In-Shop Repair Procedure**

Replace tell-tale valves with threaded outlets with Midland purge valve #17-240-ML.

Note: it is necessary to test the threaded connection between the purge valve and the PRD mounting flange. This process cannot be done in the field because the rupture disc must be removed from the PRD.

See Midland Instruction and Operations Manual A-1402C, **Procedure Without Rupture Disc Installed** for instructions to test the threaded connection between the purge valve and the PRD mounting flange.

Visit [www.MidlandMfg.com](http://www.MidlandMfg.com) , select the REPAIR MANUALS button under QUICK LINKS for a copy.



## In-Field or In-Shop Repair Procedure

Procedure to use tell-tale valves with threaded outlet and screw plug.

1. Install screw plug (Midland #18-ML). If the plug faces outward, away from the PRD it will extend into the footprint of the Chlorine Kit #24A hood. This interference will not be acceptable for emergency hazmat valve capping procedures. The needle valve with screw plug must be rotated towards the PRD.



Plug extends into the Chlorine C-Kit #24A Hood Footprint

2. Rotate the valve so that the screw plug will not extend beyond the footprint of the PRD. It is important to rotate the needle valve to ensure that the screw plug cannot interfere with the potential capping of the PRD.



3. The rotated needle valve must be tested for leaks at the threaded connection. Remove the plug and pressure test the connection at 30-55 psi for 2 minutes. When it is confirmed that no leaks are present, replace the plug to complete the process.

Per M-1002 CIII A3.3.6.3, chains are not required to be used with tell-tale valves.

