

TECHNICAL SERVICE BULLETIN (TSB) 20220623-01
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A-1402C SERIES RUPTURE DISC FLANGE BOLTS: INSPECTION AND REPLACEMENT

Scope: This TSB alerts tank car owners, lessees, and repair shops to changes to Midland's inspection criteria for the eight rupture disc flange bolts (part number 15-163-ML) in the A-1402C Series Combination Devices (models A-14377C and A-14227C). Midland is not recommending changes to the service interval for A-1402C Series Combination Devices.

Background: Midland has found rupture disc flange bolts with low torque on some requalified A-14377C Combination Devices. Midland has investigated this low-torque condition and determined that it arises only with some bolts that do not pass a thread gauge inspection when the devices are reassembled during requalification. Midland has not identified any leaks or issues with device performance resulting from the condition, and all the A-14377C Combination Devices that Midland evaluated and requalified as part of its investigation passed a leak test in as-received condition. To address a potential low-torque condition, this TSB clarifies that rupture disc flange bolts should be inspected with a thread gauge when requalifying all models of A-1402C Series Combination Devices and replaced if they do not pass the inspection.

Recommended actions when qualifying A-1402C Series Combination Devices:

- **Continue qualifying A-1402C Series Combination Devices (models A-14377C and A-14227C) on their current service intervals.**
- **Inspect all rupture disc flange bolts with a 3/8-16 UNC 2A thread gauge.**
- **Replace any bolt that does not pass the thread gauge inspection.**

To obtain replacement rupture disc flange bolts (15-163-ML) contact Midland Customer Service.

For additional questions, contact Midland's Director of Sales & Customer Service. Visit <https://www.opwglobal.com/midland/contact/customer-support-map> for contact information.

For information about A-1402C Series Combination Devices, please refer to the Installation, Operation, and Maintenance Manual available at <https://www.opwglobal.com/midland>.