

**TECHNICAL SERVICE BULLETIN****Bulletin No.:** CYL-TSB-007**Date:** October 1, 2014**Subject:** Integrated Isolator Over-Wrap Separation**Models:** Cylinders With Integrated Isolators**Background**

Some cylinders have been constructed with the isolator integrated directly with the cylinder. The isolator is made of rubber and is fixed to the cylinder using wings that extend from the sides of the isolator groove. The wings are held in place under numerous layers of carbon fiber and resin called the over-wrap (1).

The carbon fiber used to retain the integrated isolator to the cylinder is not a structural component of the cylinder.

**Condition**

In some cases, the over-wrap carbon fiber which is used to hold the integrated isolator onto the surface of the cylinder may experience a separation (2) in the fiber.

**Cause**

The CNG cylinder is a finished product that is structurally sound prior to the application of the rubber isolator and the carbon fiber over-wrap used to retain it. The flexible rubber isolator is then applied to the cylinder and wound in using the carbon fiber over-wrap and epoxy. Separation may occur in the carbon fiber over-wrap due to normal movement between the cylinder and the rubber isolator.

**Correction**

No corrective action is required.

The over-wrap is a non-structural component of the cylinder. The separation within the over-wrap is cosmetic and not a cause for concern. The separation may be covered with a flexible sealer (such as silicone) for appearances if desired.

**Labor Time**

N/A

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