

How-to Retest a Metal DOT IBC

Be sure the tank is empty. Move the container to the area that has air pressure available. Have soapy water in a spray bottle or bucket and a small paint brush ready.

Inspect the exterior for any dents, cracks, corrosion or warpage. Note these on the retest form.

Remove the drum cover and replace the 22" gasket. Check the gasket in the 2" top bung to be sure it is clean and will seal tight. If suspect, replace. Inspect the interior for any corrosion or cracks. Note these on the retest form.

Install the special DOT retest lid. This lid has a "T" built into the bottom of the lid to restrain it in case of failure. Install the bolted clamp ring per closure instructions.

By using the quick connect fitting on the test lid, pressurize the container to 3 psi. Monitor the gauge closely; **do not leave** while performing this test!

While under pressure, the entire surface of all joints must be coated with the soap solution. If you have leaks, the soap solution will bubble. You will also note a drop of pressure in the gauge. Pay particular attention to the areas where dents, cracks, corrosion or warpage was noted during your external and internal inspection.

Should any leaks be discovered, open the valve on the cover and de-pressurize the container. Do not attempt to loosen any fittings while under air pressure. Then tighten and/or replace the appropriate fitting or gasket or make appropriate structural repairs and restart the test.

Once you have performed the soap test, de-pressurize the container. The date (month and year) of the inspection and test must be legibly and permanently marked in the same general area as the existing IBC's specification markings.

Written record must be kept by the owner or lessee and must include the design type and specifications, test and inspection dates, name and address of test and inspection facilities, name of inspector and tester and test results. Test and inspection records must be kept for each IBC until they are successfully performed again or for at least 2.5 years. The records must be available for a DOT inspector.

When successful inspection, testing and recordkeeping are completed, return the IBC to service.

Note: If you have a U.N. marked IBC, you must also perform thickness testing every 5 years.