



TECHNICAL SERVICE BULLETIN

Bulletin Number: DC-2216

Date: 9/25/2007

Affected Model(s): 5045/700506 (New Style)

Subject: Leak Proof Fittings

Lincoln recently conducted extended testing of the 5045 Leak Proof Fitting in sustained high-pressure, high temperature applications. While the test results proved 5045 meets all of the product specifications, they support our posted claim that it is not suitable as a check valve in applications of sustained pressure, or short term pressure exceeding 5,000 psig, and temperatures exceeding 140° F (60° C).

This testing was completed in response to feedback indicating 5045 is often misapplied, and utilized in sustained high-pressure applications. This is contrary to its design and intended application as documented in our catalog. To address this issue and better fulfill our customers' needs, Lincoln is releasing new part number 700506 Sustained-Pressure Leak Proof Fitting. The 700506 utilizes a steel ball check, instead of the polyurethane insert found in the 5045. It also features a brass insert seal and a second ball check that will handle sustained back-pressure up to 10,000 psig, and remain "leak proof".

Fitting 5045 has served its purpose over the years, and continues to perform as expected. However, to increase the safety of our lubrication systems against possible high-pressure blowout, Lincoln is making an immediate substitution of 700506 for 5045 on all Lincoln automated lubrication systems, including Centromatic, Quiklub, and others. Although these systems normally function within the design specifications of 5045, in some cases line blockage may cause internal pressures to exceed safe operating limits. In addition, we highly recommend that any 5045 fittings in-use or intended for use in such applications be replaced with 700506.

The 5045 will remain in the Lincoln lubrication fitting line, where it has and will continue to serve its purpose as an effective seal against light or heavy viscosity lubricants, in applications with unsustained pressures below 5,000 psig, and at temperatures below 140° F (60° C).

If you have questions or concerns, please do not hesitate to call Lincoln Technical Services at 314/679-4200, ext. 4782, or fax us at 314/679-HELP (4357).

Regards,

Barry Frankum
Manager, Lincoln Technical Service