

COCA-COLA REFRESHMENTS EQUIPMENT BULLETIN GENERAL

DATE: April 1, 2016

NUMBER: GEN-144 Rev. A

SUBJECT: ABS Lift Cylinder Improvements for Remanufacturing

SITUATION / BACKGROUND

[ABS lift cylinders \(CCP# 114738\)](#) suffer from a lower than desired service life and high replacement cost.

RESULTS / FINDINGS

Two failure modes were found and design improvements made against each.

1. Accelerated Rod Seal Wear

- The piston rod-platform joint allows the rod to center itself and not pinch the seal.
- The rod guides are now bronze and sealed against syrup ingress.
- The rod bushing design better locates the rod.

2. Piston Seal Wear

- The piston seal has improved life and better locates the piston and rod in the assembly.
- The end caps are easier to assemble correctly.
- The screws holding the assembly together were replaced with stainless steel to resist corrosion and allow for easy rebuilding of the cylinder assembly.



ACTIONS

All design improvements will be added to reman parts. All cylinders are expected to wear in operation and require periodic rebuilding. This redesign has been developed for just that purpose, and the part can be rebuilt as many times as necessary.

Dieb cylinders (new and remanufactured) can be identified by their red caps.

FOR ADDITIONAL INFORMATION CONTACT:

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