



Application **SOLUTIONS** for Food & Beverage

McGILL

Case Packer

Industry

Food and Beverage Processing

Solution Type

Maintenance Cost Savings and Improved Corrosion Resistance

Description of Problem

A beverage bottling plant was experiencing failures on the standard cam followers used in a case packer. Due to the environment, excessive corrosion was resulting in reduced bearing life, which required the cam followers be replaced every three months.

McGill® Solution

The standard cam followers were replaced with a McGill CRES CAMROL® stainless steel cam followers, which were dimensionally interchangeable with standard cam followers.

Product/Part Description

CF 7/8 SB CR

Key Customer Need(s) and Benefits from Emerson Product:

The bottling plant needed to increase cam follower life and extend the uptime for their case packer. The 400C series stainless steel components and LUBRI-DISC®+ Seal incorporated into the McGill CRES CAMROL Cam Follower helped provide increased corrosion resistance and the plant was able to meet their goals.



Emerson Solution McGill CRES CAMROL Stainless Steel Cam Follower




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CRES CAMROL® Stainless Steel Cam Follower

In addition to the standard McGill® CAMROL cam follower bearing features, CRES CAMROL cam followers utilize stainless steel materials, LUBRI-DISC® + seals and H1 food grade grease. Our seal design incorporates aerospace technology to help prolong bearing life in a variety of corrosive environments.



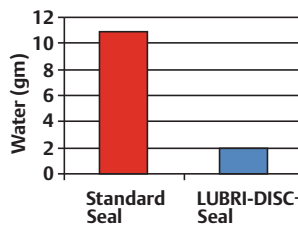
Components Material

Bearing Races	440C Stainless Steel
Needles	440C Stainless Steel
Seal	LUBRI-DISC + Seal

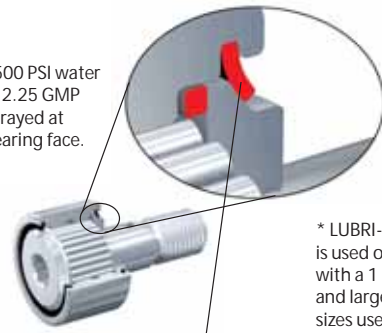
Features and Benefits

440C Stainless Steel	More corrosion resistant than common bearing steel.
Zone Hardened Raceway	Provides a hardened raceway for load capacity and stem ductility for absorbing shock loads.
LUBRI-DISC + Seal	Improved contamination resistance and lubrication retention.
H1 Food Grade Grease	Non-toxic grease with good corrosion resistance and wash out properties.

Water Entry Comparison



1500 PSI water at 2.25 GMP sprayed at bearing face.



* LUBRI-DISC + Seal is used on bearings with a 1 inch O.D. and larger. Smaller sizes use standard LUBRI-DISC Seals.

LUBRI-DISC + Seal*

Provides up to five times better protection against washdown than standard seals. McGill originally developed this seal to meet the tough demands of aerospace applications.

Visit our Website @ www.emerson-ept.com

McGILL

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APPLICATION CONSIDERATIONS

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