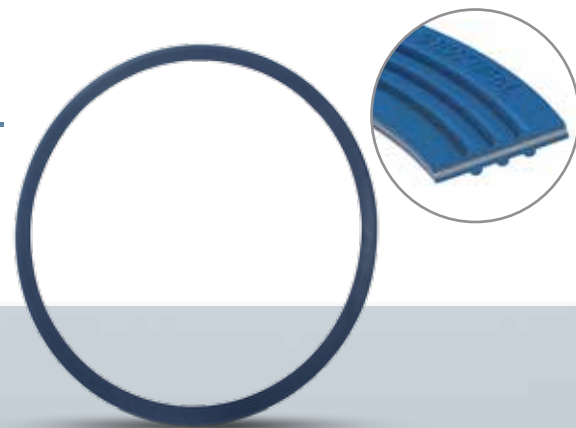


Case Study: Railcar Manway - GYLON® 3545 TUFF-RAIL®



INDUSTRY

Chemical

CUSTOMER

Chemical company

BACKGROUND

Rail tank car manway gasket application that had historically utilized a rubber fluoroelastomer nozzle style gasket.

CHALLENGES FACED

While rubber gaskets are often an economical choice, rubber nozzle gaskets can also present a variety of installation and operational concerns. With very limited resistance to crush, these particular nozzle style gaskets were being split when the heavy manway was released freely into a closed position and bolts were being over torqued. The customer was continually dealing with the associated leaks and frequent replacement.

OPERATING CONDITIONS

Size - TRN-1, 6-Bolt Manway Design

Temperature - Ambient

Media - Various chemicals

Pressure - Low pressure

SOLUTION AND BENEFITS

The TUFF-RAIL® 3545 is designed for installation into the manway lid verses onto the manway nozzle. The rigid PTFE center layer of TUFF-RAIL® 3545 offered superior crush resistance while the conformable microcellular outer layers allowed our gasket to seal at lower loads similar to those of a rubber gasket. The 100% pure PTFE construction offered a wide range of chemical resistance, so the TUFF-RAIL® 3545 was an ideal solution for this particular application. Customer feedback after multiple re-uses was extremely positive - *"You couldn't even tell the gasket had been used, there were no marks on the gasket."*

For more information, please visit:
<http://www.garlock.com>

GARLOCK

an EnPro Industries family of companies

Tel: 1-877-GARLOCK / 315.597.4811

Fax: 800.543.0598 / 315.597.3216

www.garlock.com

Garlock

GPT

Garlock Australia

Garlock de Canada, LTD

Garlock China

Garlock Singapore

Garlock Germany

Garlock India Private Limited

Garlock de Mexico, S.A. De C.V.

Garlock New Zealand

Garlock Great Britain Limited

Garlock Middle East