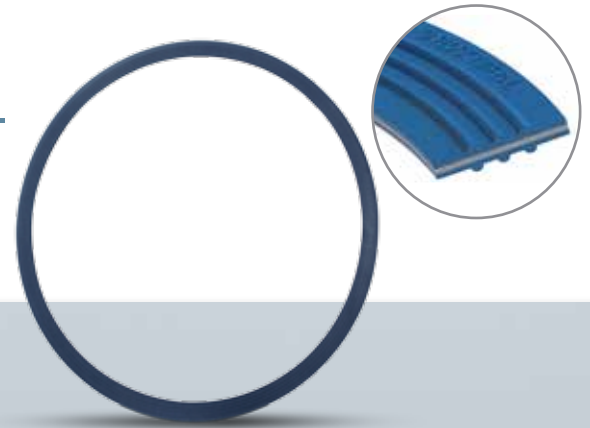


# Case Study: Railcar Manway - GYLON® 3545 TUFF-RAIL®



## 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>

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