

CASE STUDY

KWO® MultiTex® Gasket Railroad Tank Car Industry



KWO®
experts in ePTFE

PRODUCT

KWO® MultiTex® 2.0 gasket.

INDUSTRIAL SECTOR

Railroad Tank Car Industry.

APPLICATION

Railtank loading arm.

PROBLEM DEFINITION

The gasket in used was not able to compensate the irregularities of the corroded sealing surface on the railtank side, causing a NAR (non-accident release) during the unloading of the tank which resulted in the intervention of local authorities and consequent delay of the shipment.

SOLUTION AND RESULT

KWO® MultiTex® 2.0 gaskets, thickness 2 mm to compensate the irregularities of the damaged sealing surface and the controlled movement of the loading arm.

APPLICATION PARAMETERS

Material: AISI 304L

Operating temperature: 0-50° C.

Operating pressure: 5-20 Bar.

Medium: gaseous anhydrous ammonia.

Flange form/diameter: DN 50 Pn 40, DN 80 Pn 40

Sealing surface: OD87 x ID52 mm, OD120 x ID92 mm

Bolts: 4xM16, 8xM16 A193 B7

Previous seal: skived glass filled ptfe.

