



AVOID NARS WITH IDENTA-SEAL®

Take the Guesswork Out of
Material Identification





Most Non-Accident Releases,
or NARs, are the **result of simple
mistakes made by suppliers,
installers, or store room personnel.**
Oftentimes, they may result in costly
and potentially dangerous situations.

FOR EXAMPLE

There were several tank cars that were recently in the shop for HM-216B Service. This routine maintenance involves replacing gaskets and re-servicing the rail-tank cars so that they can transport chemicals that, in this particular instance, require a Genuine Viton® gasket. Typically, this process is a relatively smooth one; in this situation, however, a very costly mistake was made to the gasket material supply during the pre-installation process. As a result, the gasket material issue caused premature gasket failures and significant problems to the tank cars.



NARS CONSEQUENCES

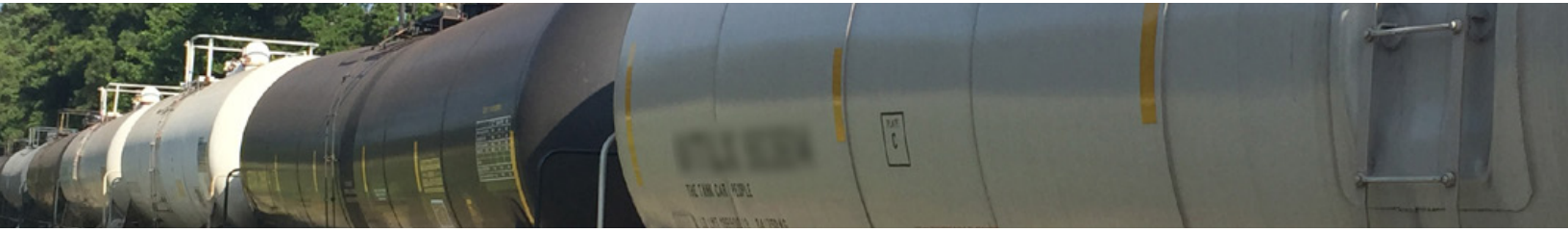
This particular NAR resulted in lost product, transport back to a shop to replace the faulty gaskets, and a week's worth of time lost when the cars were out of service in order to properly replace the gaskets. Because of the serious error ramifications, the tank car owners consulted a third party laboratory to identify the elastomer from which the gaskets had been manufactured.

Following an inspection of the NAR, it was discovered that an EPDM gasket had been installed instead of the intended Viton® B. Given that this was not the approved gasket material for the type of chemical being transported by railcar, the gaskets failed in several of the cars. The mistake likely occurred when someone misidentified the gasket materials; the two materials do look similar, both primarily black in color and with a similar texture.

As this is the case for many gaskets, the similar appearance between materials often leads to NARs.



[Click here to calculate your estimated annual NAR cost.](#)



NARS SOLUTION: IDENTA-SEAL®

To eliminate any doubts, need for investigation, or potential NARs, Gasket Resources Inc. offers a convenient color-coded gasket system, known as [Identa-Seal®](#). In addition to our helpful color-coded system, our Viton® gaskets and O-rings are also traceable all the way back to the raw materials used in the manufacturing process. In this case study, our Genuine Viton® B Identa-Seal® gasket would have been blue in color. This color differentiation would have helped to avoid material mix-ups, resulting in the elimination of potential NARs.

Choose the DURLON Identa-Seal™ GRI product that is right for your application.

Viton® Family	Identa-Seal™ Name/Color	Principal End Users	Polymer Composition	Weight % Fluorine
A	GRI-A/Black & UV Fluorescence	General Purpose Sealing: Automotive, Aerospace Fuels & Lubricants	Dipolymers of VF2/HFP	~64-67%
B	GRI-B/Blue	Chemical Process Plants, Railroad Tank Cars & Tank Trucks, Power Utility Seals & Gaskets	Terpolymers of VF2/HFP/TFE	~68%
F *GRI uses the newest, most advanced Viton® GF-S in its Identa-Seal™ GRI-GF-S products	GRI-GF-S/Gold	GRI-GF-S is used for any specification requiring the advantages of a high fluorine content in a fluoroelastomer. The polymer used for these products has shown improved strength, compression set resistance and fluid resistance to the older technology GF polymer. Other properties, including low-temperature performance are equivalent.	Terpolymer of VF2/HFP/TFE manufactured using DuPont's proprietary Advanced Polymer Architecture technology.	~69-70%

In addition to offering Durlon® Identa-Seal® products, the [SecureTrack®](#) program with customers to eliminate the need for a budget that incorporates the potential occurrence of NARs. SecureTrack® is a comprehensive and customizable program that standardizes materials, equipment, procedures, and bolt tightening methods to eliminate bolted joint-related NARs on railroad cars.

In the event of an NAR, GRI can help by utilizing a root cause analysis to help determine the leak source and solution. [Contact our team today](#) for additional information on [Identa-Seal®](#), [SecureTrack®](#), or any of our processes to help eliminate NARs in the [railroad industry](#)