

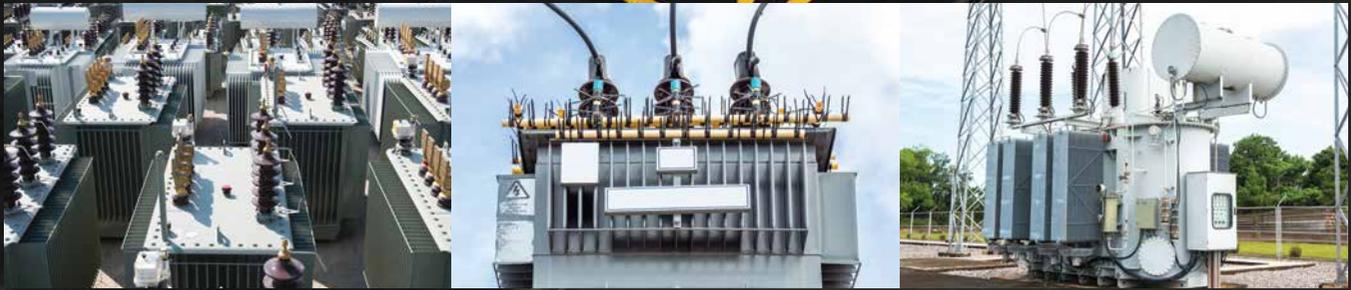


**AmericanBilrite**  
IndustrialRubber



The Optimum Transformer Gasket  
**STARTS WITH**  
**TRANSEAL**®

# Aggressive Transformer Oils, Rigorous Conditions, **NO MATCH FOR TRANSEAL®**



## **TRANSEAL®- THE ENVIRONMENTALLY RESPONSIBLE CHOICE FOR TRANSFORMER STABILITY**

Transformer oil is used as an insulator and a means to transfer heat generated in the windings and the core of a transformer towards the walls of the tank and the radiators. When a transformer leak occurs; the connections, bushings, and parts of the winding can become exposed to air. This can increase the temperature of the windings. Another danger is moisture infiltrating at the location of the leak, degrading the transformer oil which may lead to overheating. Even a slow weeping leak can lead to a serious amount of oil loss that can be catastrophic for the transformer.

The depletion of oil can lead to the complete loss of integrity and failure of the insulating structure resulting in disastrous fires or explosions.

The most expensive gasket on the market today is the gasket that fails; especially when the impact to the environment is so significant. Any oil secretion from a transformer can potentially contaminate the ground causing soil pollution and, in some scenarios, taint groundwater. There is a genuine risk to organic life, including animals and humans, to consider when assessing any oil leak. The owners of substations are charged with the responsibility to assess, remove, transport, and safely dispose of contaminated soil and materials when leaks occur. Each day that the site is not contaminant-free the Environmental Protection Agency (EPA) may impose fines of up to \$37,500 **per day** by law.

Transeal® is engineered specifically for electrical transformers, because it resists oil leakage with specifications exceeding all standard gasket materials on the market.

Nitrile is renowned for its superior resistance to petroleum-based hydraulic fluids, a wide range of service temperatures, and very good resistance to alkalis and acids. American Biltrite uses **PREMIUM GRADE** nitrile to manufacture Transeal®.

***PREMIUM Nitrile, the best solution for applications where second guessing is NEVER an option.***

### **WHY TRANSEAL®?**

- + Transeal® gaskets are recommended over cork when the joint has recesses or expansion limiting grooves, because Premium Nitrile is **elastic** enough to **conform** into imperfections on the sealing surface.
- + **Premium Nitrile** is not porous like cork neoprene, hence it does not require a secondary sealant or paint.
- + Transeal® gaskets can be **easily removed and replaced** in various temperatures unlike cork options. The gaskets will then **withstand high and low temperatures**.
- + Transeal® remains **resilient** to maintain the seal even with joint movement from expansion, contraction, vibration.
- + Transeal® has **unrivaled compression set values**. **9% represents a typical test result**. Standard Nitrile and cork options can run from **45% to over 75%!**
- + **STRONG resistance** to applied loads, system blowouts, or vacuum.
- + Gasket cutters stocking materials should be aware that some gasket options like cork nitrile have a shelf life as short as 2 years. In ambient conditions Premium Nitrile remains resilient for up to **5-10 years**.
- + Silicone based oils (most aggressive oils in use today) have little effect on the Transeal® compound.