

ORD Problem Solved!



Success Story

Application:

A large OEM manufacture and re-builder of high-quality wind turbine gearboxes used world wide in the production of energy was having an assembly issue with the installation of O-rings. These wind turbines are used to convert the wind energy to electricity.

Problem:

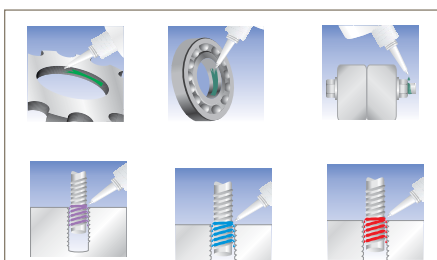
Customer was using a large diameter spliced O-ring to seal the gear box. During assembly there was a tendency for the O-ring to slip out of the groove creating the potential to get pinched or slowdown the assembly process to re-install the O-ring. This was a costly problem due to the lost production time or the potential for a leak in the field. In an attempt to solve the problem, standard O-ring lubricants were used with the hope of retaining the O-ring in the groove during the assembly process, which helped but did not completely solve their problem.

Parker Solution:

The salesman calling on the account was familiar with Parker O-Ring Divisions new adhesives and sealants offering and recommended the use of one of the anaerobic form-in-place gasket materials GG22. Material was chosen due to its tackiness, higher viscosity and cure speed. Sample was provided and a small bead was applied around the groove and O-ring installed into the groove.

Outcome:

Utilizing the quick fixture time and high viscosity of GG22, the O-ring was held within the groove to allow and assure a successful assembly. Currently all assemblies are made using the GG22.



Parker offers a range of instant adhesives, threadlockers, retaining compounds, thread sealants, instant gaskets and activators. For more information on Parker's Adhesives and Sealants Product Line, contact customer service at 859-335-5100 or one of our applications engineers at 859-335-5101.