

Case Study: Power Generation - KLOZURE® Dynamic Seals



INDUSTRY

Power Generation

CUSTOMER

OEM builder of wind turbines

BACKGROUND

A major wind turbine OEM was servicing competitors gear boxes, all of which were leaking due to inadequate seals.

CHALLENGES FACED

An OEM was being asked to solve oil leakage issues on competitors gearboxes. All of these gearboxes leaked and all were difficult to service since they were located on wind turbines several hundred feet in the air. Since all of the gearboxes were made by competitors Garlock needed to develop a retrofit kit for the customer.

SOLUTION AND BENEFITS

Despite not having access to the original OEM, Garlock worked with their customer to develop a retrofit kit that not only solved the problem, but also reduced the service requirements of the existing turbines in the field. The solution included a split flinger seal, which offered enough simplicity to reduce the number of technicians needed to install solution to just one, while routing lubrication back into the gearbox eliminating environmental issues and potential catastrophic bearing failure..

