



**Case Reference:** 3521  
**Industry:** Chemical  
**Application:** Sleeve Bearing Motor  
**Previous solution:** OEM seal

**Application:**

Sleeve Bearing Motor  
3600 rpm  
1500 hp / 1100 kW  
+/- .5 inch (12 mm) axial movement  
4.361 inch shaft (110.8 mm)

**Solution:**

Labtecta AXX

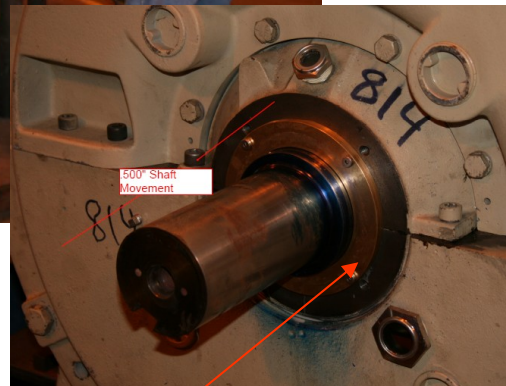
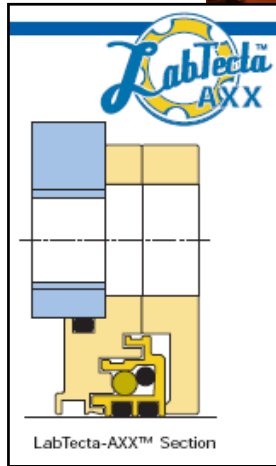
**Original situation:**

It is very common to have the wind created by the rotor of the motor pull oil out of the sleeve bearings of a large motor. The oil coats the windings, damages the insulation and eventually causes the motor to be removed from service for cleaning and repair.

The difficulty with sleeve bearing motors is the rotor will move up to .5 inch (12 mm) at startup while the rotor finds its magnetic center.

AESSEAL specifically designed the LabTecta AXX to accommodate this infrequent shaft movement.

The motor was installed in December 2008 and has been running well since.



LabTecta AXX installed



reliability focused engineering