

## **TECH TIP**

A number of our customers routinely turn around stators end for end and after inspection tear down. This helps extend the life of the stator by alternating the high pressure end and therefore promoting more even wear across the stator.

If you are not doing this already then give it a try, it might just extend your stator life and save you some money!

## **TECH TIP**

Have you thought about what happens to the power section if you stall a motor while rotating. With the rotor stationary and the stator turning, the power section acts in reverse (as a pump) and will try to push the mud back up the drill pipe against the action of the mud pump. This is effectively operating the stator and rotor against a dead head. No wonder this can cause premature damage to the power section stator and result in an early trip and subsequent reline.

## **TECH TIP**

To calculate the nominal interference of a power section, use the formula:

Major diameter compression side = Rotor major dia./2 + eccentricity – stator minor dia./2

Minor diameter compression/side = Rotor minor dia./2 + eccentricity – stator minor dia./2

Eccentricity = (Stator major dia. – stator minor dia.) +