

APPLICATIONS FOR AGGRESSIVE GEOMETRIES

SEAL LINES: IS MORE AGGRESSIVE ALWAYS BETTER?

The advantage of aggressive geometries are:

- Large intake area to assist in pump fill when high cP fluid is being produced
- Tighter leads can improve the pumps ability to pass a high amounts of sand or pyrite through the pump
- Shorter rotor length to minimize frictional torque created with high sand cut production

The disadvantage is:

- More aggressive leads = less seal line area
- Less seal line area can reduce the amount of wear that is required before the pump starts to lose efficiency

Aggressive geometries should be selected in high oil cut, high sand cut, low viscosity applications.

