

# 4 Years of user experience, tests and development

by the originators of the technology give the following examples of the benefits now built into 

- The main UK agent for Yanmar – E P Barrus, carried out tests which showed Run Dry periods without the bearing covers of 2.38 minutes before impeller failure. With them in place this increased to 10 periods x 5 mins without failure PLUS a further 10 periods X 10 mins without failure after which the tests were terminated. This exceeds the SOLAS (Safety At Sea Standard ) requirements by far and has been further tested by two independent agencies.
- London Ports Authority reported a 300% additional life on a generator application.
- Fischer Panda have consistently used the cover technology for the last 18 months without recording any failures.
- In Grit tests using 30% P80 grit sand and 70% water by volume, no failure of impeller or kit resulted, but there was the expected significant wear on the pump chamber.
- A pilot boat operator has reported no impeller failures since the bearing installation 2 years ago on its bilge pumps and generator pumps.
- A ship builder fits the bearing kits as standard to its Jabsco bilge pumps. There have been no reported failures in 2 years and impeller life has increased 300%.
- The first generation of bearing covers were used without a reported failure in 4 years.
- Average Impeller Life for all known bearing applications has increased by 300%.
- Over a period of two years no Bearing Discs have required replacement.

