



ENVIRONMENTAL TECHNOLOGY

Solar energy component manufacturer increases MTBF

A specialist in the application of solar power systems for the industrial and commercial sectors design and manufacture much of their own key components. They produce solar power systems delivering cost and energy savings for their customers. Naturally as a business they were looking for ways to improve reliability and turned to AESSEAL® for help on a hot oil pump.

The solar specialist had been using competitor seals which were incorrectly specified and as such were failing every 6 to 12 months. On inspection of the seals, it was discovered that the failures were as a result of coking of the outboard seal faces on the atmospheric side.

Further to a detailed examination of the system in place, the CAPI™ C dual seal was specified. This seal has been designed to provide effective seal face heat dissipation by directing barrier fluid flow. This along with identical seal face technology employed at the inboard and outboard positions has led to a much improved MTBF from 6 months to 3 years, accounting for a 500% improvement.

As a result of this success, as the existing seals failed, they were replaced by an AESSEAL® CAPI™ C dual seal which also had an average life of 3 years.

Further to the success of the initial installation of the CAPI™ and successful operation using the AESSEAL® mechanical seals to date, further AESSEAL® installations will be rolled out across the rest of their manufacturing site.

‘Improved reliability from 6 months to 3 years’

Industry:	Power Generation
Product:	CAPI™ Type C
Application:	Hot oil pump
MTBF Increase:	500%
Reference N.O:	CH01572



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