



ENVIRONMENTAL TECHNOLOGY

Dual Seal and seal support system saves chemical company £9,400 and 17,000m³ of water a year

Between 2002 and 2003 AESSEAL® worked with a major UK Chemical company to improve reliability and reduce the amount of water used by its sealing solution on its nylon production site..

AESSEAL® identified 6 pumps for upgrade with mean time between failures of as low as just 2 weeks to 22 months. The pumps were using a competitors component seals with quench to drain support systems. AESSEAL® recommended the DMSF™ dual seal with an SW2 water management system. The DMSF™ is hydraulically balanced and included a bi-directional pumping ring to ensure that high volumes of barrier fluid are delivered to the seals faces to remove heat. The SW2 provides a closed loop cooling system ensuring that barrier fluid consumption is kept to a minimum.

The upgraded systems paid for themselves within 3 to 6 months of installation and in the first year of operation saved a total of more than £9,400 and 17,000m³ of water.



“£9,4000 per annum cost saving and 17,000m³”

Industry:	Chemical
Product:	DMSF™ and SW02
Payback Period:	<6 Months
Savings:	£9,400 and 17,000m ³ of water
Reference N.O:	2292L to 2297L



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